

United States pattern, trial, and experimental pieces; being a list of the pattern, trial and experimental pieces which have been issued by the United States mint from 1792 up to the present time. By Edgar H. Adams and William H. Woodin.

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UNITED STATES
PATTERN, TRIAL,
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EXPERIMENTAL PIECES



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AMERICAN NUMISMATIC SERIES No. 1

UNITED STATES PATTERN, TRIAL, AND EXPERIMENTAL PIECES

Being a List of the Pattern, Trial and Experimental Pieces Which
Have Been Issued by the United States Mint from
1792 Up to the Present Time.

BY

EDGAR H. ADAMS and WILLIAM H. WOODIN



THE AMERICAN NUMISMATIC SOCIETY
West 156th Street and Broadway
New York City
1913

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THIS WORK
IS
RESPECTFULLY DEDICATED
TO THE
ENGRAVERS
OF THE
UNITED STATES MINT

ROBERT SCOT
JOHN REICH
WILLIAM KNEASS
CHRISTIAN GOBRECHT
JAMES B. LONGACRE
ANTHONY C. PAQUET
WILLIAM BARBER
GEORGE T. MORGAN
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Introduction

Coins are the metallic footprints of nations. Often through changes of the designs of the coinage of a country many phases of its development can be traced. Therefore a compilation of the many experimental designs for the coinage of our country should be most interesting and instructive from a historical standpoint. Realizing that a list of pattern, trial, and experimental pieces has long been needed, the compilers of this work have endeavored to prepare a fairly comprehensive work on the subject.

Pattern pieces, in the opinion of many who have made a special study of this particular series, represent one of the most interesting sections of the many subdivisions into which the coinage of the United States is divided. They embrace the many metallic attempts of the designers of the mint to produce a coin containing a new suggestion in the way of a device, a motto, or a plan of coinage, and through a study of these various pieces one may trace the development of many of the familiar coin designs which long have been circulated throughout the country.

These pieces, which are United States coins to all intents and purposes, so far as inscriptions and denominations are concerned, have no authority for the uses of circulation. They excite the warmest interest on the part of some collectors, and the possessor of a fairly complete set of patterns may be said to own a metallic history of the United States coinage.

Many of the pieces included in this work have been struck from the regular dies in metals other than those intended for the regular issue, and such are termed trial pieces. Each year

it is usual to strike a number of test specimens from the regular dies in various inferior or base metals, usually copper or aluminum. In the case of a new metal alloy a planchet composed of the experimental metal is placed in the most convenient dies.

Among these are also purely experimental pieces, in which it would seem to have been the desire of the mint engravers to try an obverse and reverse design, sometimes omitting the date, at other times the stars, and at still other times the inscription. All of these pieces, we think, come within the scope of this work. Therefore they are described and numbered, and an attempt is made to assign them to the year in which they were struck.

Owing to the great number of such pieces, the similarity of design, and the numerous metals and alloys in which they have been struck, it is clearly evident that the work of producing a work which would include all of the specimens of this character is simply impossible.

Scores of patterns are embraced by this list which include the finest work of the mint engravers, such as Kneass, Scot, Gobrecht, Paquet, Morgan, Longacre, and the two Barbers, William and Charles E. Any change in the design of our coinage must be referred to and adopted by the Coinage Committee of Congress. Therefore it is not difficult to understand why the handsomest designs produced by our engravers were not adopted and why most of the accepted designs of our coinage compares unfavorably from an artistic standpoint with almost any other country. The best efforts of our engravers have been most invariably rejected and their poorest designs adopted.

These pieces are interesting as representing the various experiments that have been made from time to time, such as the odd, cup-shaped pieces of 1860, the result of Dr. Barclay's experiments to produce a coin that could not be filled, as it was the custom of counterfeiters to do, and also the dollar of 1885, with the raised edge, after the idea of Superintendent of the Mint A. Loudon Snowden, intended to prevent the very common practice of paring the edges of gold and silver coins.

The compilers wish to thank the many collectors and dealers who have so kindly afforded them every aid in the preparation of this list, and also wish to state that much information has been derived from the list of patterns prepared by Dr. R. Coulton Davis, the pattern expert, which was published in *The Coin Collectors' Journal* some years ago.

R A R I T Y .

Unique	R15.
2 to 3	R14.
4 to 5	R13.
6 to 8	R12.
9 to 12	R11.
13 to 15	R10.
16 to 20	R 9.
21 to 25	R 8.
26 to 35	R 7.
36 to 50	R 6.
51 to 75	R 5.
76 to 100	R 4.
101 to 300	R 3.
301 to 500	R 2.
501 upward	R 1.

1792.

Quite a number of pattern coins were made at the mint in this year, the most important of which were the "disme," and "half disme." The latter piece is said to have been the first pattern coin made at the mint, and possesses additional interest on account of the metal contained by it having been produced from the melted private plate of Washington. When President Washington addressed Congress on Nov. 6, 1792, he referred to the half disme as follows: "There has been a small beginning in the coinage of half dimes; the want of small coins in circulation calling the first attention to them."

This half dime could very well have been a coin of regular issue, although it is usually included among the pattern coins, as it was regularly authorized by act of Congress dated April 2, 1792. The statement often appears that Martha Washington's portrait was placed on the obverse of this half dime, but it is not probable that this is the fact, as the design is quite similar to the head borne by the other fractional coins of the period, which apparently was a crude imitation of Dupre's beautiful "Libertas Americana" medal. The coinage presses from which these half dimes were struck arrived at the mint on Seventh street, Philadelphia, Sept. 21, 1792, and first began operation on Oct. 9.

The well-known silver centre cent was made at the mint at about this time. When excavations were made alongside of the old mint building on Seventh Street a short time ago there were

found several specimens of these odd little copper pieces, with perforated centres, both with reeded and smooth edges. The small plug of silver inserted in the centre evidently was intended to bring the intrinsic value of the coin up to the exact value of one cent. A number of other pattern coins were made at the mint during 1792, none of which was adopted, although the cent issued in 1793 contained some of the principal features as suggested by the pattern coins.

When the matter of a United States coinage was being discussed in 1789 a pamphlet on "monies, weights, and measures, proposed for the United States," and printed in 1789 at Philadelphia by "Daniel Humphreys, in Front Street, near the Drawbridge," contained the following suggestion in regard to the cent, but it is not known whether dies bearing out these suggestions were ever made. It reads:

"Two pounds of copper will give 100 cents, each weighing 140 grains. The cents, for a device, may have a man on one side of them, erect, comfortably cloathed, and holding a spade in his hand, read "FRO. INDUST. CENTS BECO. EAG." (In other words, a variation of the Franklin sentiment that through industry cents would become ten-dollar pieces.) On the reverse of this base coin—a coin that cannot well be deemed money, instead of the eagle let there be on the margin of the cent this reading: "UNITED STATES OF AMERICA." And in the middle of the piece read "CENT." There will be a fair blank between the readings, which may be lightly ornamented or left blank, or crowded in Gothic taste, if it be the taste."

As a matter of fact, the first cent issued at the mint did bear a reverse very much after the style suggested by the writer of this pamphlet, whose name is unknown, but the design of an erect man, "comfortably cloathed," must have failed to meet the approval of our early coinmakers.



- 1 DISME. Silver. Reeded edge. R13.
- 2 DISME. Same as foregoing. Copper. R13.
- 3 DISME. Same as foregoing. Tin. (The specimen in this metal is thought to be unique.) R15.



- 4 HALF DISME. Silver. Reeded edge. R3.

5 NOTE.—The portrait on the above piece is said to be that of Martha Washington.

HALF DISME. Same as foregoing. Copper. Plain edge. (This specimen is thought to be unique, and was offered at the Parmelee sale.) R15.

- 6 HALF DISME. Same as foregoing. Tin. Unique. R15.



- 7 CENT. Copper. Reeded edge. R12.

8 CENT. (Silver Centre.) The same design as the foregoing, but with a small silver plug in centre. Copper. R12.



- 9 CENT. (The Birch Cent.) Copper. Plain edge. R14.

10 CENT. Same as foregoing, except the edge is inscribed TO BE ESTEEMED BE USEFUL, with a star before the word BE and after USEFUL. Copper. R14.

- 11 CENT. Same as foregoing, except that the edge is inscribed

TO BE ESTEEMED BE USEFUL, with only one star, this being after the last word. On each side of the star is a small leaf. Copper. R14.



- 12** CENT. Ob. a nude female bust to the right. Around the border of the reverse is a circle of 87 small stars. Copper. Reed-ed edge. Only two specimens are known, one of which was offered at the Bushnell sale and the other is in the Philadelphia Mint. (There is also a specimen of this design in tin, but we are not sure it was struck from these dies.) R14.

1 7 9 4 .



- 13** DOLLAR. Copper. Trialpiece from the regular dollar die of 1794, struck before the stars were placed around the bust of Liberty. This piece, which is thought to be unique, is regarded as the most interesting of all the dollar series of the United States, as it was undoubtedly the first piece of the denomination to have been struck. In the collection of William H. Woodin, of New York City. R15.

- 14** DOLLAR. Copper. Trialpiece from the regular dollar dies of 1794, showing the addition of the stars, and was struck from the completed die from which the dollars were issued in silver for general circulation. It is also thought to be unique, and is in the collection of Virgil M. Brand, of Chicago. R15.

- 15** HALF DOLLAR. Regular dies. Copper. R14.



- 16 HALF DISME. Regular dies. Copper. Reeded edge. But few specimens are known.) R13.



- 17 HALF DISME. Copper. R15.

NOTE.—A third pattern dollar is credited to this year, which, from what can be learned, has no place among the United States pattern pieces. This coin is known as the "Washington Dollar." A specimen, struck in copper, said to be unique, was offered at the sale of the McCoy collection, May 17-21, 1864. The cataloguer, W. Elliott Woodward, stated his opinion of the piece as follows: "The dies of this beautiful piece, of comparatively modern origin, it has been stated to me, were made for the express purpose of cheating a prominent coin collector. An impression in silver was first shown, for which the sum of \$300 was demanded, but before the conclusion of the bargain this copper piece made its appearance and led to the discovery of the fraud. This impression in copper shows a slight fracture in the die, and in striking the silver one the die was entirely destroyed. The Washington Dollar in silver occupies a prominent place in a choice and valuable collection, and is esteemed by its owner as one of the most desirable of the Washington series, as it certainly is one of the most interesting." This specimen in copper was in the collection of the late Dr. Hall of Boston, and is now in the possession of Virgil M. Brand of Chicago, Ill. The whereabouts of the silver specimen are unknown.

1 7 9 5 .



- 18 DOLLAR. Copper. Impression from the centre of the obverse and reverse dies of the dollar of the draped bust type. No

legends are visible, and only the tips of the date can be seen. There is only one known specimen. In the collection of William H. Woodin. R15.

1 7 9 9 .



- 19 EAGLE. Regular dies. Copper. R15.

1 8 0 0 .



- 20 HALF DIME. Copper. Reverse blank. R10.

1 8 0 3 .

- 21 HALF EAGLE. Regular dies. Copper. R10.

- 22 QUARTER EAGLE. Regular dies. Copper. R10.

NOTE.—There are two imitations of the United States half and quarter eagle, which are accredited to an engraver by the name of KETTLE, this name being shown on the obverse of the coins, to the right of the date. They are supposed to be of English origin, and have nothing to do with the pattern issues of the United States Mint.

1 8 0 4 .



- 23 EAGLE. Regular dies. Silver. Four specimens are said to have been struck. R13.

- 24 HALF EAGLE. Regular dies. Silver. R10.
 25 HALF EAGLE. Same as foregoing. Copper. R10.
 26 DOLLAR. Regular dies of the silver 1804 dollar. Copper. Thought to be unique. R15.

1 8 0 8 .

- 27 HALF EAGLE. Silver. Reeded edge. R10.
 28 HALF EAGLE. Same as foregoing. Silver. Plain edge. R10.

1 8 1 4 .

- 29 HALF DOLLAR. Regular dies. Platinum. On the reverse is engraved the word PLATINA, while on the obverse are a number of P's punched in the field. Unique. In the collection of Virgil M. Brand of Chicago, Ill. R15.

- 30 HALF DOLLAR. Regular dies. Platinum. In the Philadelphia Mint collection. R15.

NOTE.—These two pieces are the only known United States issues that have been struck in platinum. So far as known, however, there has never been any consideration of the use of the metal for coinage purposes by the United States Government.

1 8 1 8 .



- 31 CENT. Silver. This piece is a mule of the obverse of the quarter dollar of the year with the reverse of the cent of the period struck over a quarter dollar. In the collection of William H. Woodin of New York City. R14.



- 32 CENT. Silver. Engraved. R14.

33

CENT. Same as foregoing. Copper. R15.

34

1 8 2 2 .

HALF DOLLAR. Ob. of regular die of the year. Reverse blank. Copper. Plain edge. The statement was made in the McCoy catalogue that there were three restrikes made just previous to the destruction of the dies. R14.

1 8 2 4 .

35

HALF DOLLAR. Regular dies. Copper. R13.

1 8 2 5 .

36

HALF DOLLAR. Regular dies. Copper. R13.

1 8 2 7 .



37

QUARTER DOLLAR. Regular dies. Copper. It is said but three specimens are known. R14.

1 8 3 0 .

38

HALF DOLLAR. Regular dies. Copper. R13.

1 8 3 1 .

39

QUARTER EAGLE. Regular dies. Silver. R13.

1 8 3 4 .

40

HALF EAGLE. Copper. From the regular dies of the second type of the year, in which the motto E PLURIBUS UNUM is omitted. Plain edge. R13.



1836

There were very few patterns struck until this year, when several pattern pieces of different denominations were made. The most important of these were the dollars and half dollars made in anticipation of the passage of a law that would reduce the weight of these coins. This law was passed by Congress on Jan. 18, 1837, and provided that $3\frac{1}{2}$ grains of the alloy be abstracted from the authorized weight of the dollar, which at that time was authorized to weigh 416 grains. The change made the new dollar weigh $412\frac{1}{2}$ grains, but still retained $371\frac{1}{2}$ grains of pure silver. The same act provided that the half dollar be reduced from 208 grains, of a fineness of 892.4, to 206.25 grains, the fineness to be increased to .900.

These changes in weight resulted in the production of a number of the handsomest dollar and half dollar designs in the whole series of United States coins, either pattern or regular issue. Most of the dies were executed by Christian Gobrecht, who had been an engraver of calico and printers' rolls, banknotes, seals, &c., before he entered the employ of the mint. The design for the obverse of the Gobrecht dollar was submitted by Thomas Sully, the well-known Philadelphia artist. The drawing is still in the mint at Philadelphia. The flying eagle reverse was the design of Titian Peale, son of Charles Willson Peale, the famous painter and museum proprietor.

When Mr. Gobrecht had completed his first dollar design it was found that his name occupied a prominent position in the

field under the base of Liberty, and he was criticised by certain persons. He was so much hurt by this criticism that he wanted to remove his name altogether, but the Director insisted that the name be retained, so Mr. Gobrecht placed it in a much less conspicuous position on the base of the representation of the seated figure of Liberty. It is said that but eighteen of the coins with the name in the field were struck in silver, while 1,000 were made bearing the name on the base. These figures apply to the coin with the twenty-six stars surrounding the flying eagle on the reverse. The same obverse as the foregoing, but with the eagle flying in the plain field on the reverse, is excessively rare.

The silver dollar had been discontinued in 1804, and had not been reissued up to 1836. Although patterns of this denomination, of several varieties, of design, were struck at the mint in 1836, 1838, and 1839, still a coin of the denomination did not appear for general circulation until 1840. This dollar bore the Gobrecht obverse design of a seated figure of Liberty, which was used continuously on coins of this denomination up to the issue of the Bland dollar in 1878, when the design gave way to the large head of Liberty modeled after the design of George T. Morgan, who is still one of the mint engravers.

Mr. Gobrecht's seated figure of Liberty was used on the half dollar, quarter dollar, and dime up to 1891, inclusive, when it was superseded by a new design, the dies for which were cut by Charles E. Barber, the present Chief Engraver of the Mint.

The year 1836 was remarkable for the issue of the first patterns for two other coins that in later years were issued at the mint and generally circulated throughout the country. These were the gold dollar and the two-cent piece, both of unusual design. These two patterns preceded many years the regular issue of the denomination, as the first gold dollar did not regularly appear until 1849, and it was not until 1864 that the first two-cent piece was issued for circulation from the mint.



41

DOLLAR. Name on base. Twenty-six stars surrounding eagle on reverse. The design of Christian Gobrecht. Silver.

Reeded edge. This variety is one of the very rarest of the series of United States pattern dollars. It is in the collection of H. O. Granberg of Oshkosh, Wis. It is said there are but two specimens. R14.

42

DOLLAR. Same as foregoing. Plain edge. Silver. It is said one thousand specimens were struck. R1.

43

DOLLAR. Same as foregoing. Copper. Plain edge. R13.



44

DOLLAR. Same ob. as foregoing. Rev. eagle in plain field. Silver. Plain edge. R12.

45

DOLLAR. Same as foregoing. Copper. Plain edge. R13.



46

DOLLAR. Name of engraver in the field, below the base. Rev. twenty-six stars surrounding eagle. Silver. Plain edge. It is said eighteen specimens were struck. R9.

47

DOLLAR. Same as foregoing. Copper. Plain edge. R13.



48 DOLLAR. Same ob. as foregoing. Rev. eagle in plain field. Silver. Plain edge. R13.

49 DOLLAR. Same as foregoing. Copper. Plain edge. R13.



50 DOLLAR. (Gold.) The first gold dollar to be made at the mint. Gold alloyed with copper. R10.

51 DOLLAR. Same as foregoing. Gold alloyed with silver. R10.

52 DOLLAR. Same as foregoing. Silver. R10.

53 DOLLAR. Same as foregoing. Copper. R10.

54 DOLLAR. Same as foregoing. Oroide. R10.

55 HALF DOLLAR. Ob. head of Liberty to left. Upon the coronet the word LIBERTY, with seven stars to the right and six to the left. Below is the date, 1836. On the reverse is an eagle with outstretched wings, with a shield, three arrows, and an olive branch. Below is the value, 50 CENTS. Silver. Reed-edge. R1.



56 TWO CENTS. The first piece of the denomination to be made at the Mint. Nickel. Plain edge. R9.

57

TWO CENTS. Same as foregoing. Copper-nickel. Reed-ed edge. R9.

58

TWO CENTS. Same as foregoing. Copper. Plain edge. R9.

59

TWO CENTS. Same as foregoing. Silver. R13.

60

TWO CENTS. Same as foregoing. Tin. R12.

1 8 3 8 .



61

DOLLAR. Name of engraver omitted. Rev. twenty-six stars surrounding eagle. Silver. Plain edge. This is one of the rarest of the series, and not over two specimens are known, one of which is in the collection of W. W. C. Wilson of Montreal. H. O. Granberg of Oshkosh, Wis., also has a specimen. R14.

62

DOLLAR. Same as foregoing. Silver. Reeded edge. R3.

63

DOLLAR. Same as foregoing. Copper. Reeded edge. R13.



64

DOLLAR. Same ob. as foregoing. Rev. eagle in plain field. Silver. Plain edge. This is also of extreme rarity, and but two or three specimens are known. In the collections of W. W. C. Wilson and H. O. Granberg. R14.

- 65 DOLLAR. Same as foregoing. Silver. Reeded edge. R13.
- 66 DOLLAR. Same as foregoing. Copper. Reeded edge. R13.
- 67 HALF DOLLAR. Turban. Rev. adopted die, with small letters in inscription. Silver. R13.
- 68 HALF DOLLAR. Same ob. as foregoing. Rev. eagle with four arrows. Silver. R13.



- 69 HALF DOLLAR. Bust to left. Rev. regular dies, with small letters. Silver. R13.



- 70 HALF DOLLAR. Same ob. as foregoing. Rev. eagle with four arrows. Silver. R8.

- 71 HALF DOLLAR. Same as foregoing. Copper. R12.



- 72 HALF DOLLAR. Same as foregoing. Rev. flying eagle. Silver. R8.

73

HALF DOLLAR. Same as foregoing. Copper. R12.



74

HALF DOLLAR. Seated figure of Liberty. Rev. eagle with four arrows. Silver. R12.



75

HALF DOLLAR. Seated figure of Liberty. Rev. regular dies, with small letters. Silver. R13.

76

HALF DOLLAR. Same as foregoing. Copper. R13.



77

HALF DOLLAR. Same ob. as foregoing. Rev. flying eagle. Silver. R11.

78

HALF DOLLAR. Same as foregoing. Copper. R13.

79

HALF DOLLAR. Same ob. as foregoing. Rev. same as that of 1837, with denomination reading 50 CENTS. Silver. The only known specimen is in the collection of H. O. Granberg of Oshkosh, Wis. R14.

80

HALF DOLLAR. Same as foregoing. Copper. R14.



81 HALF DOLLAR. Same ob. as foregoing. Rev. eagle with six arrows. Silver. R12.

82 HALF DOLLAR. Same as foregoing. Copper. R13.

1 8 3 9 .



83 DOLLAR. Gobrecht obverse, without name of engraver. Rev. eagle in plain field. Silver. This variety is excessively rare, and not over three specimens are known. In the collections of W. W. C. Wilson, Montreal, Canada, and H. O. Granberg, Oshkosh, Wis. R14.

84 DOLLAR. Same as foregoing. Silver. Reeded edge. R3.

85 DOLLAR. Same as foregoing. Copper. Reeded edge. R13.



86 DOLLAR. Same ob. as foregoing. Rev. twenty-six stars

surrounding eagle. Silver. Plain edge. This is one of the most interesting of the Gobrecht series. Only two specimens are known. These are in the collections of H. O. Granberg and W. W. C. Wilson. R14.

87

DOLLAR. Same as foregoing. Copper. Plain edge. So far as known this variety is unique. In the collection of Virgil M. Brand, Chicago, Ill. R15.



88

HALF DOLLAR. Seated figure of Liberty. Rev. regular dies of 1839-1841 type, but legend is in larger letters, but not so large as on the 1842 type. Copper. R14.



89

HALF DOLLAR. Same ob. as foregoing. Rev. flying eagle. Silver. R13.



90

HALF DOLLAR. Bust to right. Rev. similar to foregoing, but legend in large letters. Unlike any adopted design. Copper. Excessively rare. R14.



91

HALF DOLLAR. Same ob. as foregoing. Rev. same as was used on the regular half dollar of 1839, with small letters in the inscription. Silver. Only seven said to be known. R12.

92

HALF DOLLAR. Same as foregoing. Copper. R13.



93

HALF DOLLAR. Same ob. as foregoing. Rev. with larger letters than on foregoing, was used on the regular series from 1842 to 1845. Silver. Reeded edge. R12.

94

HALF DOLLAR. Same as foregoing. Copper. R13.



95

HALF DOLLAR. Same ob. as foregoing. Rev. flying eagle Silver. R10.

96

HALF DOLLAR. Same as foregoing. Copper. R13.



- 97 HALF DOLLAR. Turban head to left. Rev. eagle with four arrows. Silver. R12.



- 98 HALF DOLLAR. Same ob. as foregoing. Rev. flying eagle. Silver. R12.

1 8 4 3 .

- 99 HALF EAGLE. Regular dies. Copper. R12.

- 100 QUARTER EAGLE. Regular dies. Copper. R12.

1 8 4 4 .

- 101 QUARTER DOLLAR. Regular dies. Copper. R12.

1 8 4 6 .

- 102 HALF EAGLE. Regular dies. Copper. R15.

- 103 QUARTER EAGLE. Regular dies. Copper. R12.

- 104 QUARTER EAGLE. Regular dies. Brass. R12.

1 8 4 8 .

- QUARTER EAGLE. Davis 58. Gold.

NOTE.—There has always been quite a good deal of uncertainty among numismatists regarding the status of this piece. By some it has been classified in the California pioneer series. By others it has been thought to have been a pattern, and Dr. Davis includes it in his list under No. 58. From all that can be

learned the quarter eagle was struck at the Philadelphia mint from the first gold that reached that institution from California. Gov. Mason of California in 1848 sent a lot of gold specimens gathered from the various placers of California to Brig. Gen. Jones, who in turn transferred it to the Secretary of War. The latter forwarded it to the Director of the Mint, instructing him that if the material was gold that a certain quantity be used in the striking of a couple of medals provision for which had just been made by Congress, and that the remainder be used in striking quarter eagles, bearing a distinguishing mark, which were to be turned over to any applicant at their face value. This distinguishing mark is supposed to have been the letters "CAL." The letters, which are incused, seem to have been made with a punch. The coins are readily distinguishable from the average United States gold piece as they contained a large percentage of silver, which gave them the brassy color always shown by gold bearing a large percentage of silver.

1 3 4 9 .



105

DOUBLE EAGLE. Gold. Unique. In the Philadelphia Mint collection. R15.

106

DOUBLE EAGLE. Same as foregoing. Brass, gold plated. Unique. R15.

NOTE.—This was the first double eagle to be issued struck by the United States Government, and was the work of James B. Longacre, whose initials "J. B. L." have appeared on the bust of Liberty of every double eagle that has been issued by the mint from 1849 up to 1907, the year in which the design was abandoned. Only one coin was struck in gold in 1849, and that specimen rests in the cabinet of the United States Mint at Philadelphia. This was the adopted type for the regular double eagle of 1850, the reason given for its scarcity being that it was struck so late in the year 1849 that the new year came in before authority was given the mint officials to proceed with the coinage of the denomination. The design issued in 1850, however, differed from that of 1849 in the detail that the relief of the obverse was

slightly reduced, the cheek of Liberty being somewhat lower in 1850 than that on the 1849 piece. At the time of the issue of the coin it was suggested that it be called "Washington." While this title was not officially given, nevertheless contemporary publications, such as Niles Register, referred to it as a "Washington." Dr. Davis states that he had a copy struck from the dies in brass and firegilt, while there is reported to have been a copper piece struck from the dies. Offers of large sums of money have been made for the solitary goldpiece, a Pittsburgh collector being credited with having offered the mint officials \$35,000 for it, but of course without success. To the Mormons must be given the credit of having struck the first twenty-dollar goldpiece to reach circulation, this being the one showing the design of the Bishop's mitre and dated 1849.



107

DOLLAR. (Gold.) In the centre of this piece is a square hole. This is an engraved piece, but is thought to have been made in the mint. The border is milled and the edge plain. Gold. R10.



108

THREE CENTS. Ob. of the half dime of the year. Rev. 3 in plain field. Silver. R8.



THREE CENTS. Same ob. as foregoing. Rev. III. in plain field. Silver. R8.



109

THREE CENTS. Mule of both preceding reverses. Silver. R8.

NOTE.—While these pieces are included in the series of patterns they were not originally intended as such, but rather may be designated as experimental pieces. This is made clear by reference made to them in Mr. Woodward's catalogue of the Mickley sale, and the reply by Assayer Dubois. Mr. Woodward said the pattern three-cent piece with the "III" stamped upon it was "believed to be the ugliest of all known coins, and certainly one of the rarest. In designing this and the following (same design with the Arabic figure '3') the artists at the mint almost outdid themselves." This observation drew the following explanation—evidently from Mr. Dubois: "I have great respect for Mr. Woodward's intelligence, but in this case he has not been equal to himself. Those two pieces are neither coins nor patterns, in any proper sense; mere planchets. As to the designing of them, the writer must take that credit to himself; the 'artists at the mint' did nothing but made the 'III' and '3' as requested. It was at a juncture when a three-cent piece was talked of; two mixtures of base metal were made, and these pieces were hastily struck, simply to show what the size would be."

1 8 5 0 .



- 110
THREE CENTS. Liberty cap. Silver. R3.



- 111
THREE CENTS. Mule of 3 reverse of 1849 with reverse of foregoing. Silver. R14.



- 112
CENT. U. S. A. ONE TENTH SILVER. Rev. CENT. 1850. Pure nickel. Perforated. R6.

- 113
CENT. Same as foregoing. Nickel. Unperforated. R6.

- 114 CENT. Same as foregoing. Silver. Perforated. R6.
 115 CENT. Same as foregoing. Silver. Unperforated. R6.
 116 CENT. Same as foregoing. Copper. Perforated. R6.
 117 CENT. Same as foregoing. Copper. Unperforated. R6.
 118 CENT. Same as foregoing. Composition. Perforated. R6.
 119 CENT. Same as foregoing. Composition. Unperforated. R6.



- 120 CENT. Obv. CENT. ONE-TENTH SILVER. Rev. UNITED STATES OF AMERICA in wreath. Silver. Perforated. R6.
 121 CENT. Same as foregoing. Silver. Unperforated. R6.
 122 CENT. Same as foregoing. Copper. Perforated. R6.
 123 CENT. Same as foregoing. Copper. Unperforated. R6.
 124 CENT. Same as foregoing. Composition. Perforated. R6.
 125 CENT. Same as foregoing. Composition. Unperforated. R6.



- 126 CENT. U. S. A. ONE-TENTH SILVER. Rev. ONE CENT in wreath. Silver. Perforated. R6.
 127 CENT. Same as foregoing. Silver. Unperforated. R6.
 128 CENT. Same as foregoing. Nickel. Perforated. R6.
 129 CENT. Same as foregoing. Nickel. Unperforated. R6.

- 130** CENT. Same as foregoing. Copper. Perforated. R6.
- 131** CENT. Same as foregoing. Copper. Unperforated. R6.
- 132** CENT. Same as foregoing. White metal. Perforated. R6.
- 133** CENT. Same as foregoing. White metal. Unperforated. R6.
- 134** CENT. Same ob. as foregoing. Rev. blank. Nickel. Perforated. R6.
- 135** CENT. Same as foregoing. Copper. Unperforated. R6.



- 136** CENT. CENT. ONE TENTH SILVER. Rev. blank. Copper. Unperforated. R6.
- 137** CENT. Same ob. as foregoing. Composition. Unperforated. R6.
- 138** CENT. Ob. CENT. 1850. Rev. blank. Nickel. Unperforated. R6.



- 139** CENT. Same ob. as foregoing. Rev. ONE CENT in wreath. Nickel. Unperforated. R6.



- 140** CENT. Ob. the reverse of foregoing. Rev. blank. Copper-nickel. Unperforated. R6.

141 CENT. Same as foregoing. Nickel. Unperforated. R6.

142 CENT. Same as foregoing. Copper. Unperforated. R6

1 8 5 1 .

143 QUARTER EAGLE. Regular dies. Silver. R13.

144 DOLLAR. Regular dies. Copper. R13.



145 CENT. Pure nickel. Plain edge. R10.

146 CENT. Same as foregoing. Pure nickel. Reeded edge. R10.

147 CENT. Same as foregoing. Aluminum. R10.

148 CENT. Same as foregoing. Copper. Plain edge. R8.

149 CENT. Same as foregoing. White metal. Plain edge. R8.

150 CENT. In the Parmelee sale was a cent, with no date, but ascribed to this year, which bore the words ONE CENT within an olive wreath, and was surrounded by a circle of pellets, the reverse being of a similar design, but from differently engraved die. Nickel. Thick planchet. R12.

151 CENT. Same as foregoing. Nickel. Thin planchet. R12.

1 8 5 2 .



152 DOLLAR. (Gold.) Ring Dollar. Ob. U S A 1852. Rev circle of sprigs. Gold. Perforated. R12.

- 153** DOLLAR. Same as foregoing. Silver. Perforated. R12.
154 DOLLAR. Same as foregoing. Nickel. Perforated. R12.
155 DOLLAR. Same as foregoing. Copper-nickel. Perforated. R12.



- 156** DOLLAR. Same ob. as foregoing. Rev. DOLLAR and wreath. Gold. Perforated. R12.
157 DOLLAR. Same as foregoing. Copper. R12.
158 DOLLAR. Ob. UNITED STATES OF AMERICA around the perforation. Rev. blank. Gold. R12.

1852.



- 159** DOLLAR. Ob. UNITED STATES OF AMERICA 1852. Rev. DOLLAR and wreath. Gold. Thick planchet. Perforated. R12.
160 DOLLAR. Same as foregoing. Gold. Thin planchet. R12.
161 DOLLAR. Same as foregoing. Silver. Thick planchet. R12.
162 DOLLAR. Same as foregoing. Silver. Thin planchet. R12.
163 DOLLAR. Same as foregoing. Copper. Thick planchet. R12.
164 DOLLAR. Same as foregoing. Copper. Thin planchet. R12.
165 DOLLAR. Same as foregoing. Nickel. Thick planchet. R12.

166 DOLLAR. Same as foregoing. Nickel. Thin planchet. R12.

167 DOLLAR. Same as foregoing. Copper-nickel. Thick planchet. R12.

168 DOLLAR. Same as foregoing. Copper-nickel. Thin planchet. R12.

169 DOLLAR. Regular silver dies. Copper. R12.



170 HALF DOLLAR. (Gold.) This piece is not dated, but is listed under 1852 on account of similarity to the gold ring dollars of the year. The obverse shows UNITED STATES OF AMERICA around the perforation, with the outer portion of a wreath visible, showing that the centre of a complete design had been removed. The reverse is blank and the edge reeded. The planchet is much smaller than that of the gold ring dollar, and the piece has exactly one-half the weight of the gold dollar, which causes it to be called "the gold ring half dollar." It is excessively rare, only a very few specimens being known. Gold. R13.

1853.



171 CENT. Ob. same as quarter eagle of the year. Rev. ONE CENT in olive wreath. Nickel, alloyed with silver. Reeded edge. Thick planchet. R6.

172 CENT. Same as foregoing. Bronze. R6.

173 CENT. Same as foregoing. Copper. R6.

174 CENT. Same as foregoing. Copper-nickel. Reeded edge. Thin planchet. R6.

- 175** CENT. Same as foregoing. Copper. R6.
- 176** CENT. Same as foregoing. Pure nickel. R6.
- 177** CENT. Same as foregoing. Copper-nickel. Reeded edge. Thick planchet. R6.
- 178** CENT. Same as foregoing. White metal and pure nickel. Reeded edge. Thick planchet. R6.
- 179** CENT. Same as foregoing. White metal and pure nickel. Reeded edge. Thin planchet. R6.
- 180** CENT. Regular dies of the year. Pure nickel. R12.

1854.

- 181** THREE DOLLARS. Regular dies. Copper-nickel. R10.
- 182** THREE DOLLARS. Regular dies. Nickel. R10.
- 183** QUARTER EAGLE. Regular dies. Copper. R10.
- 184** DOLLAR. (Gold.) Regular dies. Brass. R13.
- 185** HALF DIME. Regular dies. Nickel. Plain edge. Thick planchet. R13.



- 186** CENT. Liberty head. Small wreath. Copper. R2.
- 187** CENT. Same as foregoing. Bronze. R2.
- 188** CENT. Same as foregoing. Oroide. R2.
- 189** CENT. Flying eagle. Small wreath. Copper. R6.
- 190** CENT. Same as foregoing. Bronze. R6.



191 CENT. Same ob. as foregoing. Rev. large wreath. Copper. R10.

192 HALF CENT. Regular dies. Copper-nickel. Unique. In the collection of William H. Woodin of New York City. R15.
1855.

193 EAGLE. Regular dies. Copper. R12.

194 DOLLAR. (Gold.) With sixteen berries. Regular dies. Silver. R14.

195 CENT. Flying eagle. Rev. large wreath. Nickel. R6.

196 CENT. Same as foregoing. Brass. R13.

197 CENT. Same as foregoing. Copper. R2.

198 CENT. Same as foregoing. Dull steel. R15.

199 CENT. Same as foregoing. Copper-nickel. R6.

200 CENT. Same as foregoing. Bronze. R2.



201 CENT. Same ob. as foregoing. Rev. small wreath. Composition. R6.



1856.

A change of style, weight, and composition of the cent was responsible for the creation of the flying eagle cent of 1856, which was intended to replace the large, cumbersome, old-fashioned copper cents that had been struck at the mint every year from 1793 to 1857, with the single exception of the year 1815.

On Feb. 21, 1857, Congress passed a law authorizing the regular issue of the pattern flying eagle cent of the design of 1856, one of the main clauses of the act providing that the new cents be used by the officers of the mint for the redemption of the old-fashioned copper cents and the fractional parts of the Spanish and Mexican dollar, which for a long time had been passing freely throughout the country. These foreign coins had become a nuisance, had already depreciated in value, and this act really resulted in a premium being paid for them. Therefore, the most of these worn foreign coins soon found their way to the various mints, which was the end sought by the law.

During the month of May, 1857, 3,800,000 of the little flying eagle white cents had been struck at the mint, and preparations were made for the redemption under the new act. In anticipation of the general scramble that would be made a temporary building was erected in the mint yard at Philadelphia. Over two windows were placed signs "CENTS FOR CENTS" and "CENTS FOR SILVER." The redemption plan called for packages of the silver coin containing \$5 worth, in no case to

exceed \$50. The little cents were placed in bags containing 500 each.

On Nov. 5, 1859, the Director of the Mint reported that the mint had received these coins to the amount of \$1,620,997, of which \$546,305 had been deposited in exchange for the large copper cents.

At the expiration of two years the redemption of the Spanish and Mexican silver and the old-fashioned cents had almost ceased, but in their wake had come such a flood of the flying eagle cents that they became almost as much of a nuisance as had the depreciated silver currency. Many persons through the redemption act had come into the possession of far more cents than they could find legitimate use for, and had begun to pay bills of \$1, \$2, and even \$3 with the little coins, this practice prevailing to an almost unendurable extent.

1856.

202 DOLLAR. (Gold.) Regular dies. Nickel. R13.

203 DOLLAR. Same as foregoing. Brass. R13.



204 CENT. Flying eagle. Rev. tobacco wreath. The adopted reverse of regular cent of 1857 and 1858. Pure nickel. Thick planchet. R12.

205 CENT. Same as foregoing. Pure copper. Thin planchet. R12.

206 CENT. Same as foregoing. Copper-nickel. Thick planchet. This is the commonest variety. R1.

207 CENT. Same as foregoing. Bronze. Thick planchet. R10.

208 CENT. Same as foregoing. Bronze. Thin planchet. R10.

209 CENT. Same ob. as foregoing. Rev. oak wreath and ornamented shield. Pure copper. R12.

210 CENT. Same as foregoing. Copper-nickel. R12.

- 211** CENT. Eagle in plain field. Neither inscription nor date. Rev. tobacco wreath. Nickel. R12.
- 212** CENT. Same as foregoing. Copper. R12.
- 213** CENT. Same as foregoing. Copper-nickel. R12.
- 214** CENT. Eagle and inscription, but no date. Rev. tobacco wreath, but ONE CENT omitted. Nickel. R12.
- 215** CENT. Same ob. as foregoing. Rev. regular tobacco wreath, with ONE CENT. Nickel. R12.
- 216** HALF CENT. Regular dies. Copper-nickel. Ninety parts copper and 10 parts nickel. R6.
- 217** HALF CENT. Same as foregoing. Copper-nickel. Eighty-eight parts copper and twelve parts nickel. R6.

1857.



- 218** QUARTER EAGLE. Head of Liberty like three-cent piece of 1865. Rev. 2½ DOLLARS 1860 within a wreath of laurel. Copper. R12.



- 219** QUARTER EAGLE. Same ob. as foregoing. Rev. similar to regular die of the year, the eagle being somewhat smaller and the shield more prominent. Copper. R12.
- 220** DOLLAR. (Gold.) Regular dies. Silver, gilded. R12.
- 221** HALF DOLLAR. Regular dies. Silver, but with a large percentage of aluminum. R14.



222 QUARTER DOLLAR. Regular ob. Rev. UNITED STATES OF AMERICA QUAR. DOL. surrounding a plain field. (The regular reverse, with the eagle omitted). Copper. Thick planchet. R6.

223 QUARTER DOLLAR. Same as foregoing. Copper. Thin planchet. R6.

224 CENT. Head of Liberty surrounded by thirteen stars. Rev. ONE CENT in wreath of olive. This is a smaller planchet than the regular cent of the year. The reverse was struck from the reverse die of the cent of 1853. Nickel. R13.

225 CENT. Same as foregoing. Copper-nickel. R13.

226 CENT. Regular dies. Copper. R12.

227 CENT. Regular dies. Pure Nickel. R12.

228 CENT. This variety shows only the reverse of the cent of 1853, ONE CENT in olive wreath. Rev. Blank. Copper. R13.

229 CENT. Same as foregoing. Copper-nickel. R13.

230 CENT. Same as foregoing. Silver-copper. R13.

1858.

231 QUARTER EAGLE. Regular dies. Brass. R12.

232 DOLLAR. (Gold). Regular dies. Copper. R12.

233 DOLLAR. Type of the accepted dollar of the year, but the letters are larger. Copper. R13.

234 HALF DOLLAR. Regular ob. Rev. the Paquet design. Silver. R14.



235 QUARTER DOLLAR. Regular ob. Rev. the Paquet design. Silver. R13.

236 QUARTER DOLLAR. Regular ob. Rev. similar to foregoing, but without the ribbon. Silver. R14.

237 QUARTER DOLLAR. Same ob. as foregoing. Rev. similar, but eagle holds long motto ribbon in beak. Paquet's design. Silver. R13.

238 QUARTER DOLLAR. Regular dies. Brass. R13.

239 QUARTER DOLLAR. Type of regular issue, but with smaller letters. Brass. R14.

240 QUARTER DOLLAR. This is not dated, but the obverse is the same as the regular issue, with Liberty seated. The field is blank. Rev. same as regular issue, but the legend is on a raised band, surrounded by wide border. Supposed to be unique. Brass. R15.



241 CENT. Ob. large flying eagle. UNITED STATES OF AMERICA in small letters around the border. Rev. tobacco wreath, as used on adopted design. Pure copper. R12.

242 CENT. Same as foregoing. Pure nickel. R13.



243 CENT. Same ob. as foregoing. Rev. oak wreath. Copper-nickel. R5.



244 CENT. Similar ob. to foregoing, but inscription in larger letters. Rev. laurel wreath. Copper-nickel. R5.

245 CENT. Same as foregoing. Copper. Thin planchet. R12.



246 CENT. Large flying eagle, large letters. Rev. oak wreath and broad, ornamental shield. Copper-nickel. R5.

247 CENT. Same as foregoing, but on broad planchet. Copper-nickel. R10.

248 CENT. Same as foregoing, broad planchet. Pure nickel. R12.

249 CENT. Large flying eagle. Rev. blank. Silver. Thin planchet. R14.



250 CENT. Large flying eagle, small letters, no date. Rev. thick oak wreath. Copper-nickel. R12.

251 CENT. Large flying eagle, small letters, no date. Rev. large flying eagle in plain field. Pure nickel. R15. In the collection of William H. Woodin of New York City.

**252**

CENT. Large flying eagle, with date and inscription. Rev. Indian head, with inscription and date, 1858. Copper-nickel. R12.

253

CENT. Large flying eagle, small letters. Rev. oak wreath and broad, ornamented shield. Copper-nickel. R5.

254

CENT. Same design as foregoing. Copper-nickel. Wide planchet. R12.

255

CENT. Small flying eagle. UNITED STATES OF AMERICA around border in small letters. Rev. oak wreath. Copper-nickel. R5.

256

CENT. Same ob. as foregoing. Rev. laurel wreath. Copper-nickel. R5.

**257**

CENT. Same ob. as foregoing. Rev. oak wreath and broad, ornamented shield. Copper-nickel. R5.

258

CENT. Same as foregoing. Copper. R12.

259

CENT. Same ob. as foregoing. Rev. tobacco wreath. Copper-nickel. R5.

260

CENT. Same as foregoing. Copper. R12.

261

CENT. Same as foregoing. Bronze. R12.

262

CENT. Same ob. as foregoing. Rev. oak wreath and narrow shield, as adopted in 1860. Pure copper. R12.

**263**

CENT. Indian head, inscription UNITED STATES OF AMERICA around border. Date, 1858. Rev. oak wreath. Copper-nickel. R5.

**264**

CENT. Same as foregoing. Rev. laurel wreath. Copper-nickel. R5.

265

CENT. Same as foregoing. Copper. R12.

266

CENT. Same as foregoing. Pure nickel. R12.

267

CENT. Same as foregoing. Bronze. R12.

**268**

CENT. Same ob. as foregoing. Rev. oak wreath and broad, ornamented shield. Copper-nickel. R5.

269

CENT. Same as foregoing. Copper-nickel. Thin planchet. R12.

**270**

CENT. Same ob. as foregoing. Rev. tobacco wreath. Copper-nickel. R5.

271

CENT. Same ob. as foregoing. Rev. oak wreath and narrow shield, as adopted in 1860. Pure nickel. R.12.

272

CENT. Indian head and inscription, same as foregoing, but no date. Rev. oak wreath. Broad rim. Copper-nickel. R.12.

273

CENT. Same ob. as foregoing, no date. Rev. laurel wreath. Broad, thick planchet. Copper-nickel. R.12.

274

CENT. Same as foregoing. Copper. Thick planchet. R.12.

275

CENT. Same ob. as foregoing. Rev. oak wreath and broad, ornamented shield. Copper-nickel. Wide planchet. R.12.

1859.**276**

DOUBLE EAGLE. The Paquet design. Copper. R.12.

**277**

DOUBLE EAGLE. Ob. the Longacre design, similar to regular issue. Rev. same as foregoing. Copper. R.12.



- 278** DOUBLE EAGLE. The Paquet design. Rev. similar to regular reverse by Longacre. Copper. R12.



- 279** DOUBLE EAGLE. Without date. The Longacre design. Silver. Unique. In the collection of W. H. Woodin of New York City. R15.

- 280** DOUBLE EAGLE. Same as foregoing. Copper. R10.



- 281** DOUBLE EAGLE. This obverse is similar to the foregoing, but shows the date 1859. The reverse is similar, but differently executed, the eagle being larger, with a large square shield on its breast. The legend is in more condensed letters, and a narrow milling surrounds the edge. This reverse design was the work of Anthony C. Paquet, and, while it appeared on pattern double eagles dated 1859, 1860 and 1861, still was never used on a coin issued for regular circulation. Copper. R12.



282 DOUBLE EAGLE. The Longacre design. Copper. R10.

283 DOLLAR. (Gold.) The regular dies. Copper. R12.



284 HALF DOLLAR. The Paquet design. Rev. HALF DOLLAR in wreath. Silver. R4.

285 HALF DOLLAR. Same as foregoing. Copper. R4.



286 HALF DOLLAR. Same ob. as foregoing. Rev. $\frac{1}{2}$ DOLLAR in wreath. Silver. R4.

287 HALF DOLLAR. Same as foregoing. Copper. R4.



288 HALF DOLLAR. Same ob. as foregoing. Rev. 50 CENTS in wreath. Silver. R4.

- 289** HALF DOLLAR. Same as foregoing. Copper. R4.



- 290** HALF DOLLAR. Same ob. as foregoing. Rev. the Longacre obverse. Silver. Same ob. as foregoing. R13.

- 291** HALF DOLLAR. Same ob. as foregoing. Rev. eagle with ribbon. Silver. R4.

- 292** HALF DOLLAR. Same as foregoing. Copper. R4.



- 293** HALF DOLLAR. The Longacre obverse. Rev. HALF DOLLAR in wreath. Silver. R4.

- 294** HALF DOLLAR. Same as foregoing. Copper. R4.



- 295** HALF DOLLAR. Same ob. as foregoing. Rev. 1/2 DOLLAR in wreath. Silver. R4.

- 296** HALF DOLLAR. Same as foregoing. Copper. R4.

**297**

HALF DOLLAR. Same ob. as foregoing. Rev. 50 CENTS in wreath. Silver. R4.

298

HALF DOLLAR. Same as foregoing. Copper. R4.

**299**

HALF DOLLAR. Same ob. as foregoing. Rev. eagle with ribbon. Silver. R4.

300

HALF DOLLAR. Same as foregoing. Copper. R4.

**301**

HALF DOLLAR. Same ob. as foregoing. Rev. the regular reverse of the year. Silver. R13.

302

HALF DOLLAR. Same as foregoing. Copper. R13.



- 303** HALF DOLLAR. The reverse with HALF DOLLAR in wreath. Reverse blank. Copper. R13.



- 304** HALF DOLLAR. The reverse with eagle and ribbon. Rev. blank. Copper. R13.



- 305** HALF DOLLAR. Mule. The ob. of 1838, muled with the Paquet reverse of 1859. Silver. R10.

- 306** HALF DOLLAR. Same as foregoing. Copper. R10.

- 307** QUARTER DOLLAR. Regular obverse. Rev. the Paquet design. Silver. R13.

- 308** DIME. Mule of the obverse of the year with the reverse of 1860. Silver. R8.

- 309** HALF DIME. Mule of the obverse of the year with the reverse of 1860. Silver. R8.

310

HALF DIME. Mule of the obverse of the cent of the year, without date, with the reverse of the half dime of the year. Silver. R13.

311

CENT. The adopted die of the year. Rev. oak wreath and narrow shield, as adopted in 1860. Copper. R4.

312

CENT. Same as foregoing. Copper-nickel. R4.

**313**

CENT. The adopted obverse. Rev. oak wreath and ornamented shield. Copper-nickel. R8.

314

CENT. Same ob. as foregoing. Rev. tobacco wreath. Pure copper. R8.

315

CENT. The adopted obverse. Rev. the regular laurel wreath reverse. Copper. R8.

316

CENT. The adopted obverse. Rev. the regular laurel wreath reverse. Copper. R8.

317

CENT. The adopted obverse. Rev. the regular laurel wreath. Dark bronze. R8.

318

CENT. The adopted obverse. Rev. thick oak wreath. Copper-nickel. R8.

319

CENT. The adopted obverse. Rev. the reverse of the half dime of the year. R13.

1860.

By a resolution adopted by Congress 1856-7, approved by the Executive, the Secretary of the Treasury was authorized to cause inquiry to be made, by two competent commissioners, (Messrs. R. E. Rogers and Henry Velhake) into processes and means claimed to have been discovered by Dr. J. T. Barclay for preventing the abrasion, counterfeiting, and deterioration of the coins of the United States, and to report the result of the inquiry to Congress at its session of 1857-8, with the opinions as to the probable value of the alleged discoveries; and the sum of \$2,500 out of the money of the Treasury was appropriated for that purpose.

The peculiar concave pattern coins of this year illustrate Dr. Barclay's idea of coinage. A small apartment in the Philadelphia mint was placed at his disposal in which to conduct the experiments, and the small supply of bullion in the shape of gold and silver planchets required from time to time was provided by the director of the Mint. The report of the committee, in part, read:

“ It has not been in our power because of a lack of sufficient funds to have prepared in complete detail and finish a specimen coin to submit to the department. To make a single such piece, blending that perfection of artistic design and mechanical execution which would commend it for acceptance with the protective features Dr. Barclay desires to incorporate, would require

the construction of machinery on a scale and at a cost inadequate for regular minting business, and of course not to be attempted in a preliminary experimental inquiry."



- 320** DOUBLE EAGLE. Regular obverse. Rev. the Paquet design of 1859, similar to the Longacre design. Copper. Said to have been but two struck. R14.



- 321** DOUBLE EAGLE. Heraldic eagle, with drooping wings, ribbon in beak, inscribed UNITED STATES OF AMERICA TWENTY DOLLARS. From an unfinished die. White metal. The only specimen known is in the collection of William H. Woodin of New York City. R15.



- 322** HALF EAGLE. Gold. R14.

- 323** HALF EAGLE. Same as foregoing. Copper. Concave planchet. R13.

324

QUARTER EAGLE. Liberty head, date 1860. Rev. 2½ DOLLARS. Copper. R13.

325

DOLLAR. (Gold). Regular dies. Said to have been but two struck, one of which is in the mint cabinet. Silver. R14.

326

HALF DOLLAR. Regular dies. Copper. R12.

327

QUARTER DOLLAR. Regular dies. Nickel. R13.

328

QUARTER DOLLAR. Same as foregoing. Copper-nickel. Rude planchet. R12.

329

CENT. Intaglio. "Struck from hub dies before date was put in to give an idea of one of Dr. Barclay's plans of coinage, November, 1860." Nickel. R13.

330

CENT. Regular dies. Pure copper. R12.

331

CENT. Same ob. Same rev., no inscription. Copper-nickel. R12.

332

CENT. Regular dies. Pure nickel. R12.

333

CENT. Mule. Ob. Indian head, 1860: Rev. Indian head, 1859. Copper-nickel. R15.



1861.

The pattern coins containing the various forms of the now familiar motto "In God We Trust" are of exceptional interest. Although the first coin to go into circulation with this motto was the bronze two-cent piece of 1864, still the mint engravers had experimented with it as early as 1861.

On Nov. 13, 1861, the Rev. M. R. Watkinson, of Ridleyville, Pa., wrote a letter to Secretary of the Treasury Salmon P. Chase, in which he said that one fact in our currency had been overlooked—the recognition of the Almighty God in some form on our coins, and he suggested that the United States coins should bear, instead of the Goddess of Liberty, an all-seeing eye, crowned with a halo. Beneath the eye he thought there ought to be an American flag bearing on the field stars equal in number to the States of the Union. In the folds of the bars were to be the words "God, Liberty, Law." Around the border he suggested that thirteen stars be placed, inclosing a ring bearing the words "Perpetual Union."

Secretary Chase thought the suggestion a good one, and in a letter to James Pollock, then Director of the Mint, he said that no nation could be strong except in the strength of God, or safe except in His defense, and that "the trust of our people in God should be declared on our National coins. You will cause a device to be prepared without unnecessary delay with a motto expressing in the fewest and tersest words possible this National recognition."

The pattern pieces of this part of the sixties show several mottoes exemplifying the efforts of the engravers to arrive at a suitable one. The first pieces to show an adaptation of it were the half dollar and eagle of 1861, with the motto reading "God Our Trust." In 1862 the same motto was placed upon pattern pieces of similar denomination, and in 1863 a pattern two-cent piece was made at the mint bearing the bust of Washington on the obverse, above which was the motto "God and Our Country." A companion two-cent piece dated 1863 also was struck. This bore on the obverse a shield similar to the one adopted for general circulation in 1864, and on this coin was the motto "God Our Trust."

These coins were submitted to the Secretary of the Treasury, who, in a letter to the Director of the Mint dated Dec. 9, 1863, said that he approved of the mottoes, but suggested that on the coin with the Washington obverse the motto should begin with the word "Our," so as to read "Our God and Our Country," and on the two-cent piece showing the shield the motto should be changed so as to read "In God We Trust." By act of Congress of April 22, 1864, the coinage of the two-cent piece was authorized, and the last described coin, with the motto altered to conform to the suggestion of the Secretary of the Treasury, went into circulation, being the first regular United States coin to bear the motto of "In God We Trust." In the year 1863, however, a series of pattern dollars, halves, and quarters were struck from the regular dies of the year, with the addition of the motto "In God We Trust," and were minted in silver, copper, and aluminum. All are very rare.

It was not until 1865 that Congress provided for the placing of the motto upon the United States coins of the silver and gold denominations, the act of March 3 of that year specifying that in addition to the legend and device on the gold and silver coins of the United States it should be lawful for the Director of the Mint, with the approval of the Secretary of the Treasury, to place the motto "In God We Trust" on such coins as should admit of the inscription thereon.

Quite a number of pattern double eagles, eagles, half eagles, in gold, silver, and copper were made at the mint in 1865 bearing the motto "In God We Trust." Also the silver dollar, half, and quarter dollar of 1864 and 1865, which are known in silver, copper, and aluminum.

Still another adaptation of the motto suggested by the Rev. Mr. Watkinson was shown on a five-cent pattern piece of 1867, the design of James B. Longacre, who executed the designs of the twenty-dollar, three dollar, one dollar, and one and two-cent pieces. This was the handsome Indian Princess head, with the motto of "Union and Liberty."

- 334** DOUBLE EAGLE. Gold. Said to have been but two struck, one of which was disposed of at the Cohen sale in 1875. Rev. similar to No. 320 of 1859. R14.



- 335** DOUBLE EAGLE. Gold. Two specimens with this beveled and imperfect edge are said to have been struck. R14.

- 336** DOUBLE EAGLE. Same as foregoing. Copper. R14.



- 337** EAGLE. Motto GOD OUR TRUST on scroll. Gold. R14.

- 338** EAGLE. Same as foregoing. Copper. Bronzed. R6.



- 339** EAGLE. Motto in plain field. Gold. R14.

- 340** EAGLE. Same as foregoing. Copper. Bronzed. R6.



341 HALF EAGLE. Obverse and reverse same as No. 322 of 1860. Copper. Thick planchet. R8.

342 HALF EAGLE. Same as foregoing. Copper. Thin planchet. R8.

343 QUARTER EAGLE. Regular dies. Silver. R13.

344 QUARTER EAGLE. Regular dies. Copper. R12.

345 QUARTER EAGLE. Regular dies. Brass. R12.

346 QUARTER EAGLE. Regular dies. Nickel. R13.



347 HALF DOLLAR. Motto GOD OUR TRUST on scroll. Silver. R8.

348 HALF DOLLAR. Same as foregoing. Copper. Bronzed. R6.



349 HALF DOLLAR. Motto in field. Silver. R8.

- 350** HALF DOLLAR. Same as foregoing. Copper. R6.
- 351** QUARTER DOLLAR. Regular dies. Copper. R12.
- 352** QUARTER DOLLAR. Regular dies. Copper-nickel. R12.
- 353** QUARTER DOLLAR. Regular dies. Copper. Bronzed. R12.
- 354** CENT. Regular dies. Pure nickel. R14.

1862.

- 355** EAGLE. Motto on scroll. Copper. Bronzed. R3.



- 356** EAGLE. Motto in field. Copper. Bronzed. R3.



- 357** HALF DOLLAR. Motto on scroll. Silver. R8.
- 358** HALF DOLLAR. Same as foregoing. Copper. Bronzed. R6.



- 359** HALF DOLLAR. Motto in field. Silver. R8.
360 HALF DOLLAR. Same as foregoing. Copper. Bronzed. R6.
361 CENT. Regular dies. Pure Copper. R12.
362 CENT. Regular dies. Copper-nickel. Reeded edge. R12.

1863.



- 363** EAGLE. Motto on scroll. Gold. R14.
364 EAGLE. Same as foregoing. Copper. Bronzed. R3
365 EAGLE. Motto in field. Gold. R14.
366 EAGLE. Same as foregoing. Copper. Bronzed. R3.



- 367** DOLLAR. Regular dies, but motto IN GOD WE TRUST on reverse. Silver. R12.

- 368 DOLLAR. Same as foregoing. Copper. R10.
 369 DOLLAR. Same as foregoing. Aluminum. R12.
 370 DOLLAR. Regular dies. Copper. R10.



- 371 HALF DOLLAR. Regular dies, but motto IN GOD WE TRUST. Silver. R12.
 372 HALF DOLLAR. Same as foregoing. Copper. R10.
 373 HALF DOLLAR. Same as foregoing. Aluminum. R12.



- 374 HALF DOLLAR. Motto on scroll. Silver. R8.
 375 HALF DOLLAR. Same as foregoing. Copper. Bronzed. R6.



- 376 HALF DOLLAR. Motto in field. Silver. R8.
 377 HALF DOLLAR. Same as foregoing. Copper. R6.



378 QUARTER DOLLAR. Regular dies, but with motto IN GOD WE TRUST. Silver. R12.

379 QUARTER DOLLAR. Same as foregoing. Copper. R10.

380 QUARTER DOLLAR. Same as foregoing. Aluminum. R12.



381 DIME. Aluminum. 11 grains in weight. (Sixteen pieces with plain edge struck May 20, 1863, and fifteen pieces May 27, 1863, according to catalogue of Eavenson sale.) R9.

382 DIME. Same as foregoing. Aluminum. 11 grains. Reeded edge. Said to contain 3 per cent. of silver. R9.

383 DIME. Same as foregoing. Standard silver. Weight $22\frac{1}{2}$ grains. (These are supposed to have been first coined on May 20, 1863, of which 45 pieces were struck.) R6.

384 DIME. Same as foregoing. One-quarter silver and three-quarters copper. Weight, $25\frac{1}{2}$ grains. (On May 27, 1863, 27 pieces are said to have been struck.) R5.

385 DIME. Same as foregoing. Block tin. Weight, $20\frac{1}{2}$ grains. (Of these pieces 39 are said to have been struck on May 20, 1863.) R6.

386 DIME. Same as foregoing. Tin, with 3 per cent. of copper. Weight, 25 grains. (Fifteen of these are said to have been struck on May 27, 1863.) R10.

387 DIME. Same as foregoing. Brass. Specimen mentioned in Gschwend catalogue. R14.

- 388** DIME. Same as foregoing. Silver. R12.
- 389** DIME. Same as foregoing. Aluminum. Reeded edge. R10.
- 390** DIME. Regular ob., but date omitted. Rev. same as foregoing. Silver-nickel. Reeded edge. R10.
- 391** DIME. Regular dies. Copper. R10.
- 392** DIME. Regular dies. Aluminum. R10.
- 393** HALF DIME. Regular dies. Copper. R10.
- 394** HALF DIME. Regular dies. Aluminum. R10.



- 395** THREE CENTS. Ob. type of old-fashioned cent. Copper. Thick planchet. R6.
- 396** THREE CENTS. Same as foregoing. Copper. Thin planchet. R6.
- 397** THREE CENTS. Same as foregoing. Aluminum. Thick planchet. R11.
- 398** THREE CENTS. Same as foregoing. Aluminum. Thin planchet. R11.
- 399** THREE CENTS. Regular dies. Copper. R10.
- 400** THREE CENTS. Regular dies. Aluminum. R10.
- 401** TRIME. Regular dies. Copper. R10.
- 402** TRIME. Regular dies. Aluminum. R10.



403 TWO CENTS. Washington bust, GOD AND OUR COUNTRY. Rev. CENTS much curved. Nickel. R8.

404 TWO CENTS. Same as foregoing. Copper. R4.

405 TWO CENTS. Same as foregoing. Bronze. R4.

406 TWO CENTS. Same as foregoing. Aluminum. R8.



407 TWO CENTS. Same ob. as foregoing. Rev. CENTS but slightly curved. Nickel. R8.

408 TWO CENTS. Same as foregoing. Copper. R4.

409 TWO CENTS. Same as foregoing. Copper-nickel. R4.

410 TWO CENTS. Same as foregoing. Aluminum. R8.



411 TWO CENTS. Shield, GOD OUR TRUST. Rev. CENTS much curved, same as reverse of No. 403. No bow on ribbon. Nickel. R8.

412 TWO CENTS. Same as foregoing. Copper. R6.

413 TWO CENTS. Same as foregoing. Copper-nickel. R6.

414 TWO CENTS. Same as foregoing. Bronze. Thick planchet. R6.

415 TWO CENTS. Same as foregoing. Aluminum. R8.



416 TWO CENTS. Similar to last, but motto IN GOD WE TRUST. Rev. CENTS slightly curved, with bow knot. The adopted type of 1864. Bronze. R8.

417 TWO CENTS. Same as foregoing. Copper. R6.

418 TWO CENTS. Same as foregoing. Copper-nickel. R6.

419 TWO CENTS. Same as foregoing. Aluminum. R8.

420 CENT. Regular dies. Pure nickel. Reeded edge. Thick planchet. R12.

421 CENT. Regular dies. Copper-nickel. Plain edge. Thick planchet. R8.

422 CENT. Regular dies. Copper-nickel. Thin planchet. R8.

423 CENT. Regular dies. Copper. Plain edge. Thin planchet. R8.

424 CENT. Regular dies. Copper. Plain edge. Thick planchet. R8.

425 CENT. Regular dies. Copper-nickel. Reeded edge. R12.



426 CENT. Regular dies. Copper-nickel. Plain edge. L on fillet. R12.

427 CENT. Regular dies. Aluminum. R13.

428 CENT. Regular dies. Bronze. R4.

429 CENT. Regular dies. Brass. R10.

1864.

430 THREE DOLLARS. Regular dies. Nickel. R13.

431 THREE DOLLARS. Regular dies. Copper. R13.

432 THREE DOLLARS. Regular dies. Copper-nickel. R13.

433 DOLLAR. Regular dies, but with motto IN GOD WE TRUST. Silver. R12.

434 DOLLAR. Same as foregoing. Copper. R10.

435 DOLLAR. Same as foregoing. Aluminum. R12.

436 HALF DOLLAR. Regular dies, but with IN GOD WE TRUST. Silver. R12.

437 HALF DOLLAR. Same as foregoing. Copper. R10.

438 HALF DOLLAR. Same as foregoing. Aluminum. R12.

439 HALF DOLLAR. Regular dies, without motto. Aluminum. R13.

440 QUARTER DOLLAR. Regular dies, but with IN GOD WE TRUST. Silver. R12.

441 QUARTER DOLLAR. Same as foregoing. Copper. R10.

442 QUARTER DOLLAR. Same as foregoing. Aluminum. R12.

443 QUARTER DOLLAR. Regular ob. Rev. Paquet's design. Silver. R12.

444 QUARTER DOLLAR. Same as foregoing. Copper. R12.



- 445 DIME. Regular dies. Nickel. R12.
 446 DIME. Regular dies. Copper. R12.
 447 DIME. Regular dies. Aluminum. R13.
 448 HALF DIME. Regular dies. Nickel. R12.
 449 HALF DIME. Regular dies. Copper. R12.



- 450 HALF DIME. Regular dies. Aluminum. R12.
 451 TWO CENTS. Regular dies. Nickel. R12.
 452 TWO CENTS. Same as foregoing. Copper. R12.
 453 TWO CENTS. Same as foregoing. Copper-nickel. R10.



- 454 TWO CENTS. Same as foregoing. Aluminum. R10.
 455 TWO CENTS. Regular ob. Rev. plain band, no bow, CENTS much curved. Copper. R8.
 456 TWO CENTS. Same as foregoing. Aluminum. R10.
 457 TWO CENTS. Same as foregoing. Copper-nickel. Large planchet. R8.



- 458** CENT. Regular ob. die. Rev. large flying eagle of 1858, with inscription in small letters. Nickel. R13.
- 459** CENT. Same as foregoing. Copper-nickel. R13.
- 460** CENT. Regular dies. Composition formed of 13 parts copper and 1 part aluminum, weighing 39 grains. R6.
- 461** CENT. Regular dies. Composition of 90 parts copper and 10 parts tin, weighing 45 grains. Thin planchet. Said to have been struck May 23, 1864. R10.
- 462** CENT. Same as foregoing. Composition 90 parts copper, 10 parts aluminum, weighing 40 grains. R10.
- 463** CENT. Regular dies, but with letter L (for Longacre) on end of fillet. Nickel. R10.
- 464** CENT. Ditto. Oroide. R10.
- 465** CENT. Same as foregoing. Copper-nickel. R10.
- 466** CENT. Same ob. Rev. oak wreath. Bronze. R8.
- 467** CENT. Same ob. Rev. oak wreath. Silver. R14.

1865.



- 468** DOUBLE EAGLE. Regular dies, but with IN GOD WE TRUST on reverse. Gold. In the collection of William H. Woodin of New York City. R14.

469 DOUBLE EAGLE. Same as foregoing. Copper. R10.

470 DOUBLE EAGLE. Regular dies. Without motto. Copper. R12.



471 EAGLE. Regular dies, but with IN GOD WE TRUST on reverse. Gold. In the collection of William H. Woodin of New York City. R14.

472 EAGLE. Same as foregoing. Copper. R10.

473 EAGLE. Same as foregoing. Silver. R12.

474 EAGLE. Regular dies. Without motto. Copper. R12.



475 HALF EAGLE. Regular dies, but with IN GOD WE TRUST on reverse. Gold. In the collection of William H. Woodin of New York City. R14.

476 HALF EAGLE. Same as foregoing. Copper. R12.

477 HALF EAGLE. Same as foregoing. Silver. R13.

478 HALF EAGLE. Regular dies. Without motto. Copper. R12.

479 HALF EAGLE. Same as foregoing. Aluminum. R13.



480

THREE DOLLARS. Ob. same as regular dies. Rev. similar to regular dies. Gold. In the collection of William H. Woodin of New York City. R15.



481

THREE DOLLARS. Regular dies. Bronze. R12.

482

THREE DOLLARS. Same as foregoing. Silver. R14.

483

THREE DOLLARS. Same as foregoing. Copper-nickel. R12.

484

THREE DOLLARS. Same as foregoing. Nickel. R12.

485

THREE DOLLARS. Same as foregoing. Copper. R12.

486

QUARTER EAGLE. Regular dies. Silver. R13.

487

QUARTER EAGLE. Regular dies. Copper. R12.

488

QUARTER EAGLE. Regular dies. Aluminum. R13.

489

DOLLAR. (Gold.) Regular dies. Copper. R12.

490

DOLLAR. (Silver.) Regular dies, but with IN GOD WE TRUST on reverse. Silver. R12.

491

DOLLAR. Same as foregoing. Copper. R10.

492

DOLLAR. Same as foregoing. Aluminum. R12.

493

DOLLAR. Regular dies. Without motto. Copper. R10.

494

HALF DOLLAR. Regular dies, but with IN GOD WE TRUST on reverse. Silver. R12.

- 495 HALF DOLLAR. Same as foregoing. Copper. R10.
- 496 HALF DOLLAR. Same as foregoing. Aluminum. R12.
- 497 HALF DOLLAR. Regular dies. Without motto. Copper. R10.
- 498 HALF DOLLAR. Regular dies. Aluminum. R12.
- 499 QUARTER DOLLAR. Regular dies, but with IN GOD WE TRUST on reverse. Silver. R12.
- 500 QUARTER DOLLAR. Same as foregoing. Copper. R10.
- 501 QUARTER DOLLAR. Same as foregoing. Aluminum. R12.
- 502 QUARTER DOLLAR. Regular dies. Without motto. Copper. R10.



- 503 QUARTER DOLLAR. Regular ob. Rev. Paquet's design. Silver. R12.
- 504 QUARTER DOLLAR. Same as foregoing. Copper. R12.
- 505 DIME. Regular dies. Copper. R10.



- 506 FIVE CENTS. Type adopted in 1866, with stars and bars around figure 5. Nickel. R10.
- 507 FIVE CENTS. Same as foregoing. Copper. R10.



- 508** FIVE CENTS. Type adopted in 1867, with circle of thirteen stars around figure 5, the bars omitted. Nickel. R10.
- 509** FIVE CENTS. Same as foregoing. Copper. R10.
- 510** TRIME. Regular dies. Copper. R10.
- 511** THREE CENTS. Head of Liberty to left, UNITED STATES OF AMERICA around border, date 1865 below. Rev. III in thick laurel wreath, tied at base with ribbon. Nickel. R12.
- 512** THREE CENTS. Same as foregoing. Copper. R12.
- 513** THREE CENTS. Same as foregoing. Aluminum. R12.
- 514** THREE CENTS. Regular dies. Copper. R10.
- 515** THREE CENTS. Regular dies. Brass. R12.
- 516** THREE CENTS. Regular dies. Oroide. R12.
- 517** THREE CENTS. Similar to regular type, but date nearer the bust and larger ends to the ribbon below the wreath. Nickel R12.
- 518** THREE CENTS. Same as foregoing. Bronze. R12.
- 519** TWO CENTS. Regular dies. Nickel. R12.
- 520** TWO CENTS. Regular dies. Copper. R12.
- 521** TWO CENTS. Regular dies. Copper-nickel. R12.
- 522** TWO CENTS. Regular dies upon thin planchets formed of silver and copper, previously compressed with rollers, the obverse showing copper and the reverse silver. Said to have been struck from native Michigan ore. R13.
- 523** CENT. Regular obverse. Rev. the words ONE CENT within a thick wreath of oak, somewhat smaller than upon the

regular die. Bound to the base of the ribbon are three arrows, above the inscription being a small shield. The reverse appears to differ from the regular die in the size of the wreath alone. Nickel. Reeded edge. R14.

524

CENT. Same as foregoing. Pure nickel. Plain edge. R14.

525

CENT. Regular dies. Copper-nickel. Thick planchet. Plain edge. R12.

526

CENT. Same as foregoing. Copper-nickel. Reeded edge. Thick planchet. R12.

527

CENT. Regular dies. Pure copper. R12.

1866.

528

DOUBLE EAGLE. Regular dies. Copper. R12.

529

EAGLE. Regular dies. Copper. R12.

530

HALF EAGLE. Regular dies. Copper. R12.

531

THREE DOLLARS. Regular dies. Nickel. R12.

532

THREE DOLLARS. Regular dies. Aluminum. R12.

533

QUARTER EAGLE. Regular dies. Nickel. R12.

534

DOLLAR. (Silver.) Regular dies. Copper. R6.

535

DOLLAR. Same as foregoing, but with the motto IN GOD WE TRUST omitted. Silver. R6.

536

HALF DOLLAR. Regular dies, but motto omitted. Silver. R6.

537

QUARTER DOLLAR. Regular dies, but motto omitted. Silver. R6.

538

QUARTER DOLLAR. Regular dies. Copper. R6.

539

DIME. Regular dies. Nickel. R10.

540

DIME. Regular dies. Silver-nickel. R10.



541 FIVE CENTS. Nickel. R8.

542 FIVE CENTS. Same as foregoing. Copper. R8.



543 FIVE CENTS. Nickel. R8.

544 FIVE CENTS. Same as foregoing. Bronze. R8.



545 FIVE CENTS. Nickel. R8.

546 FIVE CENTS. Same as foregoing. Copper. R8.

547 FIVE CENTS. Same as foregoing. Bronze. R8.

548 FIVE CENTS. Same ob. as foregoing. Rev. same as No.

575. Nickel. R8.

549 FIVE CENTS. Same as foregoing. Bronze. R8

550 FIVE CENTS. Same as foregoing. Copper. R8.



551 FIVE CENTS. Nickel. R8.

552 FIVE CENTS. Same as foregoing. Copper. R8.

553 FIVE CENTS. Same as foregoing. Bronze. R8.



554 FIVE CENTS. Nickel. R8.



555 FIVE CENTS. Nickel. R8.

556 FIVE CENTS. Same as foregoing. Copper. R8.

557 FIVE CENTS. Same as foregoing. Bronze. R8.



558 FIVE CENTS. Nickel. Divided date. R8.

559 FIVE CENTS. Same as foregoing. Copper. R8.

560 FIVE CENTS. Regular dies. Steel. Unique. In the collection of Judson Brenner of De Kalb, III. R15.



561 FIVE CENTS. Nickel. R10.

562 FIVE CENTS. Same as foregoing. Bronze. R10.

563 FIVE CENTS. Same as foregoing. Copper. R10.



564 FIVE CENTS. Nickel. R10.

565 FIVE CENTS. Same as foregoing. Bronze. R10.

566 FIVE CENTS. Same as foregoing. Copper. R10.



567 FIVE CENTS. Nickel. R10.

568 FIVE CENTS. Same as foregoing. Bronze. R10.

569 FIVE CENTS. Same as foregoing. Copper. R10.



570 FIVE CENTS. Nickel. R10.

571 FIVE CENTS. Same as foregoing. Bronze. R10.

572 FIVE CENTS. Same as foregoing. Copper. R10.



573 FIVE CENTS. Regular dies. Bronze. R10.

- 574** FIVE CENTS. Same as foregoing. Copper. R10.



- 575** FIVE CENTS. Nickel. R10.

- 576** FIVE CENTS. Same as foregoing. Bronze. * R10.

- 577** FIVE CENTS. Same as foregoing. Copper. R10.



- 578** FIVE CENTS. Nickel. R10.

- 579** FIVE CENTS. Same as foregoing. Bronze. R10.

- 580** FIVE CENTS. Same as foregoing. Copper. R10.



- 581** FIVE CENTS. Nickel. The head of Lincoln. R10.

- 583** FIVE CENTS. Same as foregoing. Bronze. R8.

- 582** FIVE CENTS. Same as foregoing. Copper. R8.



- 584** FIVE CENTS. Silver. R14.

585 FIVE CENTS. Same as foregoing. Copper. R13.

586 FIVE CENTS. Same as foregoing. Pewter. R12.



587 FIVE CENTS. White metal. R13.



588 FIVE CENTS. Nickel. R13.

589 FIVE CENTS. Same as foregoing. Rev. with stars and rays. Brass. Wide planchet. R13.



590 FIVE CENTS. White metal. R13.



591 FIVE CENTS. White metal. R13.

592 FIVE CENTS. Close date. Rev. blank. Nickel. R13.



- 593** FIVE CENTS. Nickel. R12.
- 594** THREE CENTS. Regular dies. Copper. R10.
- 595** TWO CENTS. Regular dies. Nickel. R10.
- 596** CENT. Regular dies. Pure nickel. R10.
- 597** CENT. Regular dies. Copper-nickel. R10.
- 598** CENT. Regular dies. Pure copper. Thick planchet. R10.
- 599** CENT. Regular dies. Pure copper. Thin planchet. R10.



1867.

In this year a five-cent piece was struck in aluminum, a specimen of which was sent to Prof. C. E. Anthon, Secretary of the American Numismatic Society of New York, accompanied by the following letter, dated July 19, 1867, from the Director of the Mint: "In accordance with the rules lately adopted I have the pleasure of inclosing for the society which you represent the first pattern piece struck under the new system of distribution. It is a five-cent piece struck in the new metal—aluminum—with entirely new devices, and intended to weigh the same as the silver half dime (19.2 gr., or .04 oz.) But having only one fourth the specific gravity of the silver piece, it is four times as bulky. It is just the size of the half eagle. The piece was designed by our engraver (and dies made by him) upon the theory of giving full intrinsic value; consequently, it contains aluminum to the amount of five cents in currency. But as the theory will not hold for the minor coinage it is certain this piece will ever remain a mere experiment. Moreover, there is no law to authorize a legal coinage in that metal. Please acknowledge receipt of this and add any remarks you or your society may think proper. A small number have been struck, and may be had for \$3 (currency); no applicant to receive more than one." Signed by H. R. Linderman, Director.

The first aluminum five-cent piece was the work of Longacre, showing the head of Liberty adorned with four feathers and bearing the motto "Union and Liberty."

The year 1867 brought into being many additional five-cent pattern pieces, some of which were of striking design. The most marked of these was that of Longacre. Another five-cent piece showed the head of Liberty as borne by the regularly issued three-cent nickel piece.

- 600** DOUBLE EAGLE. Regular dies. Copper. Thick planchet. R12.
- 601** DOUBLE EAGLE. Regular dies. Copper. Thin planchet. R12.
- 602** EAGLE. Regular dies. Nickel. R13.
- 603** HALF EAGLE. Regular dies. Nickel. R13.
- 604** HALF EAGLE. Regular dies. Copper. R12.
- 605** THREE DOLLARS. Regular dies. Silver. R13.
- 606** THREE DOLLARS. Regular dies. Nickel. R13.
- 607** THREE DOLLARS. Regular dies. Copper. R12.
- 608** QUARTER EAGLE. Regular dies. Copper. R12.
- 609** DOLLAR. (Silver.) Regular dies. Brass. R13.
- 610** DOLLAR. (Silver.) Regular dies. Copper. R12.
- 611** HALF DOLLAR. Regular dies. Copper. R12.
- 612** QUARTER DOLLAR. Regular ob. Rev. GOD OUR TRUST on scroll. Copper. R12.
- 615** DIME. Regular dies. Pure nickel. R13.
- 613** QUARTER DOLLAR. Regular dies. Copper. R12.
- 614** DIME. Regular dies. Copper. R12.
- 616** DIME. Regular dies. Thin silver planchet. R13.
- 617** DIME. Regular dies. Silver-nickel. R13.



- 618** FIVE CENTS. Indian head with four feathers. Rev. six-pointed star above wreath. Nickel. R12.

619 FIVE CENTS. Liberty head. Rev. same as foregoing. Copper. R12.

620 FIVE CENTS. Ob. regular dies. Rev. blank. Nickel. R13.



621 FIVE CENTS. Regular ob. Rev. second adopted type of the year, without rays. Pure nickel. Thick planchet. R10.

622 FIVE CENTS. Same as foregoing. Pure nickel. Thin planchet. R10.

623 FIVE CENTS. Same as foregoing. Copper. R10.

624 FIVE CENTS. Liberty head to left. Rev. adopted type of the year—5 in circle of 13 stars. Silver. R13.

625 FIVE CENTS. Same as foregoing. Nickel. R13.



626 FIVE CENTS. Liberty head to left, with star omitted from coronet. Rev. with CENTS in straight line. Nickel. R10.

627 FIVE CENTS. Same as foregoing. Copper. R10.



628 FIVE CENTS. Ob. Indian head with four feathers. Rev. V on shield. The design of James B. Longacre. Copper. Reeded edge. R10

629 FIVE CENTS. Same as foregoing. Aluminum. Reeded edge. (Fifty pieces are said to have been struck in aluminum.) R6.

630 FIVE CENTS. Same as foregoing. Aluminum. Plain edge. R6.



631 FIVE CENTS. Regular ob. Rev. the first type of the reverse of the year, with stars and rays around the figure 5. Pure nickel. R10.

632 FIVE CENTS. Same as foregoing. Copper. R10.

633 FIVE CENTS. Head of Liberty, with star on coronet. Rev. struck from reverse of five-dollar die of 1865, without the motto. Pure nickel. Thought to be unique. In the collection of William H. Woodin of New York City. R15.

634 TRIME. Regular dies. Copper. R12.

635 THREE CENTS. Regular dies. Brass. R13.

636 THREE CENTS. Regular dies. Copper. R12.

637 THREE CENTS. Regular dies. Nickel. R12.

638 TWO CENTS. Regular dies. Nickel. R12.

639 TWO CENTS. Regular dies. Copper. R12.

640 TWO CENTS. Regular dies. Oroide. R12.

641 CENT. Regular dies. Pure nickel. R12.

642 CENT. Regular dies. Copper. Thin planchet. R12.

**643**

FIVE CENTS. Composed of two reverses. One same as regular issue, the other showing 5 CENTS within an olive wreath, with IN GOD WE TRUST above in small letters. Copper. Thick planchet. R14.

**644**

FIVE CENTS. Liberty head. Rev. 5 CENTS in wreath of laurel, the word CENTS slightly curved. Nickel. (Fifty pieces said to have been struck.) R6.

645

FIVE CENTS. Same as foregoing. Copper. R6.

646

FIVE CENTS. Ob. similar to foregoing, but from a different die. The date touches lower curl of Liberty, while a space intervenes on the preceding variety. Rev. same as foregoing. Nickel. R 12.

647

FIVE CENTS. Same as foregoing. Copper. R12.



1868.

Principal among the pattern coins of 1868 struck at the mint was the international gold piece of the denomination of five dollars and twenty-five francs. Although intended for a five-dollar piece, so far as known the coin was struck only in copper and aluminum, and was designed by Anthony C. Paquet. It was the outcome of the endeavors of a monetary convention held at Paris in 1867 to determine upon an international gold piece of a fixed interchangeable value. The French mint struck its counterpart in gold, the obverse of which bore the laureated head of Napoleon III., underneath being the engraver's name—"Barre." On the reverse was the inscription "Or Essai Monetaire," and within the wreath was inscribed "5 Dollars 25 Francs."

The President of the French Commission on Coins and Medals gave Samuel B. Ruggles, the United States delegate to the convention, three specimens of this coin for presentation to the President, Secretary of State, and Secretary of the Treasury of the United States, and a fourth specimen to Mr. Ruggles. In July, 1867, representatives of France and Austria provided for the issue of a gold coin of the weight and value of 25 francs for international use, by which plan the ten florins of Austria was to be made equal in weight to that of the twenty-five-franc piece of France, the coin of each nation to be stamped with the head of its respective Emperor. A specimen in gold of this coin, of the proposed weight, diameter, &c., bearing the bust of Na-

oleon III., was struck at the French mint, and a duplicate was presented to the Emperor of Austria. On the reverse of this piece was inscribed "Essai Monetaire," and the wreath inclosed the inscription "25 Francs 10 Florins 1867."

The delegates to the convention of 1867 agreed to take the French franc as a basis for their international coin, which would mean a reduction in the value of the five-dollar gold piece of the United States to the extent of about $17\frac{1}{2}$ cents and in the English sovereign of 4 cents. Twenty nations altogether were represented at the convention, and they stipulated in the event of the adoption of the coin that local terms should be retained, such as thaler, florin, ruble, franc, &c. The British delegate, however, objected to the reduction of the British coin standard, and suggested that the United States gold dollar be taken as a basis.

About this time a bill was presented in Congress for the reduction of our five-dollar gold piece from 129 grains to 124 9-10 grains, to accommodate the piece to the value of twenty-five francs; that the gold coins thus issued should be legal tender in all payments except for those United States bonds as were payable in coin. It also specified that the emblems and inscriptions should be plainly distinct from those in use, and the value should be stated in dollars and francs, and whenever Great Britain conformed the pound sterling to the value of five dollars the British terms should be stated. The bill also provided that coins and denominations other than five-dollar pieces, of proportionate weight and fineness, be made, the value on the coins to be stated in dollars and francs. The above-mentioned five-dollar piece seems to have been the only one struck in this country as an example of the proposed uniform international gold coinage. The bill did not meet the approval of Congress.

Several pattern pieces of the denomination of one, three, and five cents were also made at the mint in 1868, the reverses bearing the Roman numerals "I," "III," and "V." Early in the year a Mr. Kelley introduced a bill providing for the coinage of one, three, five, and ten-cent pieces in nickel and silver, to be legal tender to the amount of one dollar, these coins to be substituted for the silver, nickel, and paper money under the value of ten cents then in vogue. This led to the issue at the mint of the above-mentioned set and also the large ten-cent piece, which, of the size of the old-fashioned copper cent, bore on the obverse the design of the large copper cent of 1857. The reverse of this piece bore a design similar to that of the large copper cent of 1857, but inclosed by the wreath were the words "Ten Cents." This was struck in copper, nickel, and aluminum.

At this time, it is said experiments were being made at the mint with the object of issuing ten and fifteen-cent pieces similar to the five-cent piece of regular issue to replace all paper currency under the denomination of 25 cents. It is reported

that at least 100 sets of the one, three, and five cent pieces were sent to Congressman Kelley for distribution to members of Congress.

648

DOUBLE EAGLE. Regular dies. Aluminum. R13.

649

EAGLE. Regular dies. Aluminum. R13.



650

EAGLE. Gold. (This is said to have been the last work of Longacre. But three pieces are said to have been struck in gold, and the dies then destroyed.) R14.

651

EAGLE. Same as foregoing. Copper. R10.

652

EAGLE. Same as foregoing. Aluminum. R6.



653

HALF EAGLE. The design of Anthony C. Paquet for an international five-dollar piece. Copper. Plain edge. R8.

654

HALF EAGLE. Same as foregoing. Copper. Reeded edge. R8.

655

HALF EAGLE. Same as foregoing. Aluminum. Plain edge. R6.

656

HALF EAGLE. Same as foregoing. Aluminum. Reeded edge. R6.

657

THREE DOLLARS. Regular dies. Aluminum. R13.

658

QUARTER EAGLE. Regular dies. Aluminum. R13.

- 659 DOLLAR. (Gold.) Regular dies. Aluminum. R13.
 660 DOLLAR. (Silver.) Regular dies. Aluminum. R13.
 661 HALF DOLLAR. Regular dies. Aluminum. R13.
 662 QUARTER DOLLAR. Regular dies. Aluminum. R13.
 663 DIME. Regular dies. Aluminum. R13.
 664 DIME. Ob. same as regular. Date omitted. Rev. similar to regular reverse, with the date and a star added within the wreath. Nickel. Reeded edge. R10.
 665 DIME. Same as foregoing. Copper. R10.



- 666 DIME. Same as foregoing. Nickel. R10.
 667 DIME. Same as foregoing. Aluminum. R6.
 668 DIME. Same ob. as foregoing. Rev. regular. Aluminum. Plain edge. R10.



- 669 DIME. (Or Ten Cents.) Nickel. R6.
 670 DIME. Same as foregoing. Copper. R6.
 671 DIME. Regular dies. Aluminum. R13.
 672 HALF DIME. Regular dies. Copper. R10.
 673 HALF DIME. Same as foregoing. Nickel. Thin planchet. R7.

- 674** HALF DIME. Same as foregoing. Nickel. Thin planchet. R7.



- 675** FIVE CENTS. Word Liberty and star on coronet incuse. Nickel. R4.

- 676** FIVE CENTS. Same as foregoing. Copper. R4.

- 677** FIVE CENTS. Ob. same as foregoing. Rev. similar, the V small, and the wreath heavier. Nickel. R12.

- 678** FIVE CENTS. Same as foregoing. Copper. R12.



- 679** FIVE CENTS. Ob. same as foregoing. Rev. V on ornamented shield. Nickel. R6.



- 680** FIVE CENTS. Rev. 5 CENTS in wreath. Nickel. R4.

- 681** FIVE CENTS. Same as foregoing. Copper. R4.

- 682** FIVE CENTS. Same as foregoing. Aluminum. R12.

- 683** FIVE CENTS. Copper. R12.



- 684 FIVE CENTS. Same as 680, but on broad planchet. Nickel.
R10.
685 FIVE CENTS. Same as foregoing. Copper. R10.
686 TRIME. Regular dies. Aluminum. R12.
687 THREE CENTS. Regular dies. Aluminum. R12.
688 THREE CENTS. Rev. tobacco wreath. Nickel. R12.
689 THREE CENTS. Same as foregoing. Copper. R12.
690 THREE CENTS. Same as foregoing. Aluminum. R12.
691 THREE CENTS. Same as foregoing. Copper-nickel.
Thick planchet. R12.



- 692 THREE CENTS. Rev. laurel wreath. Nickel. R12.
693 THREE CENTS. Same as foregoing. Copper. R12.
694 THREE CENTS. Same as foregoing. Aluminum. R12.
695 TWO CENTS. Regular dies. Nickel. R12.
696 TWO CENTS. Regular dies. Aluminum. R12.
697 CENT. Regular dies. Aluminum. R12.



- 698 CENT. Rev. tobacco wreath. Nickel. R12.

- 699 CENT. Same as foregoing. Copper. R12.



- 700 CENT. Rev. laurel wreath. Nickel. R12.

- 701 CENT. Same as foregoing. Copper. R12.



- 702 CENT. Size of old-fashioned copper cent. Nickel. R8.

- 703 CENT. Same as foregoing. Copper. R8.



1869.

Of the pattern pieces struck in 1869 the most remarkable were those known as the "Standard Silver" series, which consisted of the denomination of fifty, twenty-five, and ten cents. Each of these coins was of handsome design, and illustrated a new project of coinage, which, however, was not adopted.

Three sets of coins of this series, all with similar reverses, but with three different devices on the obverse, were struck, making nine pieces in all. These were designed by William Barber, and were smaller in size and lighter in weight than the regular United States coins of equal denomination. The table following shows the weight of the regular coins and those of the projected series:

	Legal Weight.	Pattern Weight
50c.....	192 grains.	154 grains
25c.....	96 grains.	77 grains
10c.....	38 1-10 grains.	31½ grains

The intention was to reduce the weight of the United States coins in order to prevent hoarding and importation; that they might be current whether gold were at par with paper money or at a high premium, and that their value should depend upon the authority of their issue rather than upon bullion value. The fineness of the silver contained by the patterns was of the same purity as that authorized by the United States coins, namely, .900. These pattern pieces were sold at the mint for \$15 for the nine pieces, or three sets, and were struck in silver, copper, and aluminum, with plain and reeded edges. It seems, from what can be learned, that notwithstanding the original intention to issue 100 sets of these pieces, but 69 sets actually were made.

The other noticeable experimental pieces issued in 1869 were of the denomination of one dime, in silver composition and copper, to test a new alloy of metal. The obverse design of both of these pieces showed Liberty seated, &c., the same as the regular obverse of the dime of the year, with the date omitted, while the reverse of one variety was inscribed "Sil. 9. Nic. 1. 1869." The reverse of the second variety was inscribed "Sil. Nic. Cop. 1869." These two pieces represented experiments in an alloy proposed by Koulz, a German chemist, and recommended by Krackowizer, a New York chemist, for small coins, which they claimed to be the finest, cheapest, and cleanest metal of any in the world. The mixture was silver, 26 per cent.; nickel, 33 per cent.; copper, 41 per cent.; making a total of 100 per cent. Mr. Eckfeldt, according to an extract from the minutes of experiments of the Assay Office of the United States Mint at Philadelphia, April 15, 1869, made a small bar of the metal and gave it three meltings. It was rolled down with great difficulty, splitting and cracking in spite of all precaution and annealings. Mr. Barber made a reverse die to try it under the press (using the dime head for the obverse) and a faint impression was produced in the steam press. The metal was totally unfit for coinage and the color bad, according to a memorandum of W. E. Du Bois, who stated that fifteen pieces were struck and the dies destroyed. "We have satisfactorily proved that this ternary alloy should never be tried again," said Mr. Du Bois. "Even if it had been malleable the infusion of silver would be a loss, as it would add little to the value, being in such low proportion that it would poorly pay for the extraction."

- 704 DOUBLE EAGLE. Regular dies. Copper. R13.
- 705 DOUBLE EAGLE. Regular dies. Aluminum. R13.
- 706 DOUBLE EAGLE. Regular dies. Nickel. R13.
- 707 EAGLE. Regular dies. Copper. R13.
- 708 EAGLE. Regular dies. Aluminum. R13.
- 709 EAGLE. Regular dies. Nickel. R14.
- 710 EAGLE. Ob. same as Longacre design of 1868, reverse regular die of the year. Copper. Thick planchet. R8.
- 711 EAGLE. Same as foregoing. Copper. Thin planchet. R8.
- 712 EAGLE. Same as foregoing. Aluminum. R13.
- 713 HALF EAGLE. Regular dies. Copper. R13.

- 714 HALF EAGLE. Regular dies. Aluminum. R13.
- 715 HALF EAGLE. Regular dies. Nickel. R14.
- 716 THREE DOLLARS. Regular dies. Copper. R13.
- 717 THREE DOLLARS. Regular dies. Silver. R13.
- 718 THREE DOLLARS. Regular dies. Aluminum. R13.
- 719 THREE DOLLARS. Regular dies. Nickel. R13.
- 720 QUARTER EAGLE. Regular dies. Copper. R13.
- 721 QUARTER EAGLE. Regular dies. Aluminum. R13.
- 722 QUARTER EAGLE. Regular dies. Nickel. R14.
- 723 DOLLAR. (Gold.) Regular dies. Copper. R13.
- 724 DOLLAR. Same as foregoing. Aluminum. R13.
- 725 DOLLAR. Same as foregoing. Nickel. R14.
- 726 DOLLAR. (Silver.) Regular dies. Copper. R13.
- 727 DOLLAR. Same as foregoing. Aluminum. R13.
- 728 DOLLAR. Same as foregoing. Nickel. R14.
- 729 HALF DOLLAR. Regular dies. Copper. R13.
- 730 HALF DOLLAR. Regular dies. Aluminum. R13.
- 731 HALF DOLLAR. Regular dies. Nickel. R14.



- 732 HALF DOLLAR. Two stars on forehead. Within the fold of the ribbon bearing the word LIBERTY the engraver's initial, for William Barber. Rev. STANDARD SILVER. Silver. Plain edge. R5.

733 HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R5.

734 HALF DOLLAR. Same as foregoing. Copper. Plain edge. R8.

735 HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R5.

736 HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R8.

737 HALF DOLLAR. Same as foregoing. Aluminum. Reeded edge. R5.



738 HALF DOLLAR. One star on forehead. Rev. STANDARD SILVER. Silver. Plain edge. R8.

739 HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R5.

740 HALF DOLLAR. Same as foregoing. Copper. Plain edge. R8.

741 HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R5.

742 HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R8.

743 HALF DOLLAR. Same as foregoing. Aluminum. Reeded edge. R5.



744 HALF DOLLAR. Plain diadem. Rev. STANDARD SILVER. Silver. Plain edge. R8.

745 HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R5.

746 HALF DOLLAR. Same as foregoing. Copper. Plain edge. R8.

747 HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R5.

748 HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R8.

749 HALF DOLLAR. Same as foregoing. Aluminum. Reeded edge. R5.

750 QUARTER DOLLAR. Regular dies. Copper. R13.

751 QUARTER DOLLAR. Regular dies. Aluminum. R13.

752 QUARTER DOLLAR. Regular dies. Nickel. R14.



753 QUARTER DOLLAR. Two stars. STANDARD SILVER. Silver. Plain edge. R8.

754 QUARTER DOLLAR. Same as foregoing. Silver. Reeded edge. R5.

755 QUARTER DOLLAR. Same as forgoing. Copper. Plain edge. R8.

756 QUARTER DOLLAR. Same as foregoing. Copper. Reed-ed edge. R5.

757 QUARTER DOLLAR. Same as foregoing. Aluminum. Plain edge. R8.

758 QUARTER DOLLAR. Same as foregoing. Aluminum. Reeded edge. R5.



759 QUARTER DOLLAR. One star. STANDARD SILVER. Silver. Plain edge. R8.

760 QUARTER DOLLAR. Same as foregoing. Silver. Reeded edge. R5.

761 QUARTER DOLLAR. Same as foregoing. Copper. Plain edge. R8.

762 QUARTER DOLLAR. Same as foregoing. Copper. Reeded edge. R5.

763 QUARTER DOLLAR. Same as foregoing. Aluminum. Plain edge. R8.

764 QUARTER DOLLAR. Same as foregoing. Aluminum. Reeded edge. R5.



765 QUARTER DOLLAR. Plain diadem. STANDARD SILVER. Silver. Plain edge. R8.

766

QUARTER DOLLAR. Same as foregoing. Silver. Reeded edge. R5.

767

QUARTER DOLLAR. Same as foregoing. Copper. Plain edge. R8.

768

QUARTER DOLLAR. Same as foregoing. Copper. Reeded edge. R5.

769

QUARTER DOLLAR. Same as foregoing. Aluminum. Plain edge. R8.

770

QUARTER DOLLAR. Same as foregoing. Aluminum. Reeded edge. R5.

771

DIME. Regular dies. Copper. R13.

772

DIME. Regular dies. Aluminum. R13.

773

DIME. Regular dies. Nickel. R14.

**774**

DIME. Two stars. STANDARD SILVER. Silver. Plain edge. R8.

775

DIME. Same as foregoing. Silver. Reeded edge. R5.

776

DIME. Same as foregoing. Copper. Plain edge. R8.

777

DIME. Same as foregoing. Copper. Reeded edge. R5.

778

DIME. Same as foregoing. Aluminum. Plain edge. R8.

779

DIME. Same as foregoing. Aluminum. Reeded edge. R5.

**780**

DIME. One star. STANDARD SILVER. Silver. Plain edge. R8.

- 781 DIME. Same as foregoing. Silver. Reeded edge. R5.
 782 DIME. Same as foregoing. Copper. Plain edge. R8.
 783 DIME. Same as foregoing. Copper. Reeded edge. R5.
 784 DIME. Same as foregoing. Aluminum. Plain edge. R8.
 785 DIME. Same as foregoing. Aluminum. Reeded edge. R5.



- 786 DIME. Plain diadem. STANDARD SILVER. Silver. Plain edge. R8.
 787 DIME. Same as foregoing. Silver. Reeded edge. R5.
 788 DIME. Same as foregoing. Copper. Plain edge. R8.
 789 DIME. Same as foregoing. Copper. Reeded edge. R5.
 790 DIME. Same as foregoing. Aluminum. Plain edge. R8.
 791 DIME. Same as foregoing. Aluminum. Reeded edge. R5.



- 792 DIME. The regular obverse of the year, with the date omitted. Silver. (It is said that fifteen pieces in this metal were struck on April 15, 1869.) R10.
 793 DIME. Same as foregoing. Copper. R10.
 794 DIME. Same as foregoing. Copper-nickel. R10.



- 795** DIME. Same ob. Rev. different. Nickel. R10.
- 796** DIME. Same as foregoing. Copper. R10.
- 797** HALF DIME. Regular dies. Copper. R13.
- 798** HALF DIME. Regular dies. Aluminum. R13.
- 799** HALF DIME. Regular dies. Nickel. Plain edge. Thin planchet. R12.
- 800** HALF DIME. Regular dies. Nickel. Reeded edge. Thick planchet. R12.
- 801** HALF DIME. Same as foregoing. Nickel. Reeded edge. Thin planchet. R12.
- 802** FIVE CENTS. Rev. V on shield, same as reverse of No. 618 of 1867. Nickel. R8.



- 803** FIVE CENTS. Nickel. R4.
- 804** FIVE CENTS. Same as foregoing. Copper. R4.
- 805** FIVE CENTS. Regular dies. Steel. Supposed to be unique. In the collection of Judson Brenner of De Kalb, Ill. R15.
- 806** FIVE CENTS. Regular dies. Copper. R10.
- 807** FIVE CENTS. Regular dies. Aluminum. R10.



808 FIVE CENTS. Liberty head to left. Rev. CENTS in straight line same as reverse of No. 626 of 1867. Nickel. R14.

809 TRIME. Regular dies. Copper. R13.

810 TRIME. Regular dies. Aluminum. R13.

811 TRIME. Regular dies. Nickel. R13.

812 THREE CENTS. Regular dies. Copper. R13.

813 THREE CENTS. Regular dies. Aluminum. R13.



814 THREE CENTS. Regular dies. Nickel. R13.

815 THREE CENTS. Head of L. to left. Rev. III in wreath. Nickel. R4.

816 TWO CENTS. Regular dies. Copper. R13.

817 TWO CENTS. Regular dies. Aluminum. R13.

818 TWO CENTS. Regular dies. Nickel. R13.

819 TWO CENTS. Ob. Liberty head to left. Rev. obverse of No. 753, STANDARD SILVER 25C, with two stars on forehead. Silver. Thin planchet. R14.

820 CENT. Ob. similar to No. 814. Rev. Arabic figure I enclosed by laurel wreath. Nickel. R8.

821 CENT. Regular dies. Copper. R13.

822 CENT. Regular dies. Aluminum. R13.

823 CENT. Regular dies. Copper-nickel. R12.

- 824**
CENT. Regular dies. Nickel. R13.



- 825**
CENT. Regular dies. Rude planchet. Silver. R13.
- 826**
CENT. Regular dies. Rude planchet. Copper-nickel. R11.
- 827**
CENT. Regular ob. Rev. the ob. of the regular five-cent nickel of the year. Nickel. R14.

1870.

- 828**
DOUBLE EAGLE. Regular dies. Copper. R13.
- 829**
DOUBLE EAGLE. Regular dies. Aluminum. R13.
- 830**
DOUBLE EAGLE. Regular dies. Nickel. R14.
- 831**
EAGLE. Regular dies. Copper. R13.
- 832**
EAGLE. Regular dies. Aluminum. R13.
- 833**
EAGLE. Regular dies. Nickel. R14.
- 834**
HALF EAGLE. Regular dies. Copper. R13.
- 835**
HALF EAGLE. Regular dies. Aluminum. R13.
- 836**
HALF EAGLE. Regular dies. Nickel. R14.
- 837**
THREE DOLLARS. Regular dies. Silver. R14.
- 838**
THREE DOLLARS. Regular dies. Copper. R13.
- 839**
THREE DOLLARS. Regular dies. Aluminum. R13.
- 840**
THREE DOLLARS. Regular dies. Nickel. R13.
- 841**
QUARTER EAGLE. Regular dies. Copper. R13.
- 842**
QUARTER EAGLE. Regular dies. Aluminum. R13.

- 843 QUARTER EAGLE. Regular dies. Nickel. R14.
- 844 DOLLAR. (Gold.) Regular dies. Copper. R13.
- 845 DOLLAR. Do. Regular dies. Aluminum. R13.
- 846 DOLLAR. Do. Regular dies. Nickel. R14.
- 847 DOLLAR. (Silver.) Regular dies. Copper. R13.
- 848 DOLLAR. Do. Regular dies. Aluminum. R13.
- 849 DOLLAR. Do. Regular dies. Proof surface. Nickel. R14.
- 850 DOLLAR. Do. Regular dies. Rough surface. Nickel. R14.



- 851 DOLLAR. Longacre design. Rev. STANDARD. Silver. Plain edge. R13.
- 852 DOLLAR. Same as foregoing. Silver. Reeded edge. R13.
- 853 DOLLAR. Same as foregoing. Copper. Plain edge. R12.
- 854 DOLLAR. Same as foregoing. Copper. Reeded edge. R12.
- 855 DOLLAR. Same as foregoing. Aluminum. Plain edge. R12.
- 856 DOLLAR. Same as foregoing. Aluminum. Reeded edge. R12.

**857**

DOLLAR. Longacre design. Same as No. 851. Rev. regular dies. Silver. Plain edge. R13.

858

DOLLAR. Same as foregoing. Silver. Reeded edge. R13.

859

DOLLAR. Same as foregoing. Copper. Plain edge. R12.

860

DOLLAR. Same as foregoing. Copper. Reeded edge. R12.

861

DOLLAR. Same as foregoing. Aluminum. Plain edge. R12.

862

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R12.

**863**

DOLLAR. Barber design. Rev. wreath of oak and laurel, inclosing 1 DOLLAR; around the border STANDARD SILVER. (This is mentioned by Dr. Davis, but we have never seen a specimen, although many pattern dollars have been examined.) R15.

864

DOLLAR. Barber design. Same as foregoing. Rev. STANDARD. Same as reverse of No. 851. Silver. Plain edge. R13.

865

DOLLAR. Same as foregoing. Silver. Reeded edge. R13.

866

DOLLAR. Same as foregoing. Copper. Thin planchet. Plain edge. R10.

867

DOLLAR. Same as foregoing. Copper. Thick planchet. Plain edge. R10.

868

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R10.

869

DOLLAR. Same as foregoing. Aluminum. Reeded edge. Thick planchet. R10.

870

DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

871

DOLLAR. Same ob. Rev. regular dies. Same as No. 857. Silver. Plain edge. R13.

872

DOLLAR. Same as foregoing. Silver. Reeded edge. R13.

873

DOLLAR. Same as foregoing. Copper. Thin planchet. Plain edge. R10.

874

DOLLAR. Same as foregoing. Copper. Thick planchet. Reeded edge. R10.

875

DOLLAR. Same as foregoing. Copper. Thick planchet. Plain edge. R10.

876

DOLLAR. Same as foregoing. Copper. Thin planchet. Reeded edge. R10.

877

DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

878

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R10.

879

DOLLAR. Regular dies. Copper. R10.

880

DOLLAR. Regular dies. Aluminum. R10.

881

DOLLAR. Regular dies. Nickel. Proof surface. R14.

882

DOLLAR. Same as foregoing. Nickel. Rough surface. R14.

**883**

HALF DOLLAR. Same ob. Rev. STANDARD. Silver. Plain edge. R10.

884

HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R10.

885

HALF DOLLAR. Same as foregoing. Copper. Plain edge. R10.

886

HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R10.

887

HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

888

HALF DOLLAR. Same as foregoing. Aluminum. Reeded edge. R10.

889

HALF DOLLAR. Same ob. Rev. regular dies. Silver. Plain edge. R10.

890

HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R10.

891

HALF DOLLAR. Same as foregoing. Copper. Plain edge. R10.

892

HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R10.

893

HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

894

HALF DOLLAR. Same as foregoing. Aluminum. Reed-ed edge. R10.

**895**

HALF DOLLAR. Two stars on forehead. Without B in ribbon. Rev. STANDARD SILVER. Silver. Plain edge. R10.

896

HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R8.

897

HALF DOLLAR. Same as foregoing. Copper. Plain edge. R10.

898

HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

899

HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

900

HALF DOLLAR. Same as foregoing. Aluminum. Reed-ed edge. R8.

**901**

HALF DOLLAR. One star on forehead. Rev. same as foregoing. Silver. Plain edge. R10.

902

HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R8.

903

HALF DOLLAR. Same as foregoing. Copper. Plain edge. R8.

904

HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

905

HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

906

HALF DOLLAR. Same as foregoing. Aluminum. Reeded edge. R8.

**907**

HALF DOLLAR. Plain diadem. Rev. same as foregoing. Silver. Plain edge. R10.

908

HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R8.

909

HALF DOLLAR. Same as foregoing. Copper. Plain edge. R10.

910

HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

911

HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

912

HALF DOLLAR. Same as foregoing. Aluminum. Reeded edge. R8.

**913**

HALF DOLLAR. Two stars, with B in folds of ribbon, same as on this variety of 1869. Rev. same as foregoing STANDARD SILVER. Same as reverse of No. 895. Silver. R10.

**914**

HALF DOLLAR. Similar to foregoing, but with LIBERTY on ribbon incused. Reverse same as foregoing. Silver. R10.

**915**

HALF DOLLAR. Two stars, without B. Rev. STANDARD 50 CENTS. 1870. Silver. Plain edge. R10.

916

HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R8.

917

HALF DOLLAR. Same as foregoing. Copper. Plain edge. R10.

918

HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

919

HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

**920**

HALF DOLLAR. Same as foregoing. Aluminum. Reed-ed edge. R8.

921

HALF DOLLAR. One star. Rev. same as foregoing. Silver. Plain edge. R10.

922

HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R8.

923

HALF DOLLAR. Same as foregoing. Copper. Plain edge. R10.

924

HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

925

HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

**926**

HALF DOLLAR. Same as foregoing. Aluminum. Reed-ed edge. R8.

927

HALF DOLLAR. Plain diadem. Rev. same as foregoing. Silver. Plain edge. R10.

928

HALF DOLLAR. Same as foregoing. Silver. Reeded edge. R8.

929

HALF DOLLAR. Same as foregoing. Copper. Plain edge. R10.

930

HALF DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

931

HALF DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

932

HALF DOLLAR. Same as foregoing. Aluminum. Reeded edge. R8.

933

HALF DOLLAR. Regular dies. Copper. R13.

934

HALF DOLLAR. Regular dies. Aluminum. R13.

935

HALF DOLLAR. Regular dies. Nickel. R14.

936

QUARTER DOLLAR. Regular dies. Copper. R13.

937

QUARTER DOLLAR. Regular dies. Aluminum. R13.

938

QUARTER DOLLAR. Regular dies. Nickel. R14.

939

QUARTER DOLLAR. Two stars. Rev. STANDARD SILVER. Silver. Plain edge. R10.

**940**

QUARTER DOLLAR. Same as foregoing. Silver. Reeded edge. R8.

941

QUARTER DOLLAR. Same as foregoing. Copper. Plain edge. R10.

942

QUARTER DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

943

QUARTER DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

944

QUARTER DOLLAR. Same as foregoing. Aluminum. Reeded edge. R8.

**945**

QUARTER DOLLAR. One star. Rev. same as foregoing. Silver. Plain edge. R10.

946

QUARTER DOLLAR. Same as foregoing. Silver. Reed ed edge. R8.

947

QUARTER DOLLAR. Same as foregoing. Copper. Plain edge. R10.

948

QUARTER DOLLAR. Same as foregoing. Copper. Reed ed edge. R8.

949

QUARTER DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

950

QUARTER DOLLAR. Same as foregoing. Aluminum. Reed ed edge. R8.

**951**

QUARTER DOLLAR. Plain diadem. Rev. same as foregoing. Silver. Plain edge. R10.

952

QUARTER DOLLAR. Same as foregoing. Silver. Reed ed edge. R8.

953

QUARTER DOLLAR. Same as foregoing. Copper. Plain edge. R10.

954

QUARTER DOLLAR. Same as foregoing. Copper. Reed ed edge. R8.

955

QUARTER DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

956

QUARTER DOLLAR. Same as foregoing. Aluminum.
Reeded edge. R8.

**957**

QUARTER DOLLAR. Two stars. Rev. STANDARD 25
CENTS 1870. Silver. Plain edge. R10.

958

QUARTER DOLLAR. Same as foregoing. Silver. Reed-
ed edge. R8.

959

QUARTER DOLLAR. Same as foregoing. Copper. Plain
edge. R10.

960

QUARTER DOLLAR. Same as foregoing. Copper. Reed-
ed edge. R8.

961

QUARTER DOLLAR. Same as foregoing. Aluminum.
Plain edge. R10.

962

QUARTER DOLLAR. Same as foregoing. Aluminum.
Reeded edge. R8.

**963**

QUARTER DOLLAR. One star. Rev. same as foregoing.
Silver. Plain edge. R10.

964

QUARTER DOLLAR. Same as foregoing. Silver. Reed-
ed edge. R8.

965

QUARTER DOLLAR. Same as foregoing. Copper. Plain
edge. R10.

966

QUARTER DOLLAR. Same as foregoing. Copper. Reed-
ed edge. R8.

967

QUARTER DOLLAR. Same as foregoing. Aluminum.
Plain edge. R10.

968

QUARTER DOLLAR. Same as foregoing. Aluminum.
Reeded edge. R8.

**969**

QUARTER DOLLAR. Plain diadem. Rev. same as foregoing. Silver. Plain edge. R10.

970

QUARTER DOLLAR. Same as foregoing. Silver. Reed-ed edge. R8.

971

QUARTER DOLLAR. Same as foregoing. Copper. Plain edge. R10.

972

QUARTER DOLLAR. Same as foregoing. Copper. Reed-ed edge. R8.

973

QUARTER DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

974

QUARTER DOLLAR. Same as foregoing. Aluminum. Reeded edge. R8.

**975**

QUARTER DOLLAR. Barber design. Rev. STANDARD 25 CENTS. Silver. Plain edge. R10.

976

QUARTER DOLLAR. Same as foregoing. Silver. Reed-ed edge. R8.

977

QUARTER DOLLAR. Same as foregoing. Copper. Plain edge. R10.

978

QUARTER DOLLAR. Same as foregoing. Copper. Reed-ed edge. R8.

979

QUARTER DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

980

QUARTER DOLLAR. Same as foregoing. Aluminum. Reeded edge. R8.

981

QUARTER DOLLAR. Same ob. Rev. regular dies. Silver. Plain edge. R10.

982

QUARTER DOLLAR. Same as foregoing. Silver. Reed-ed edge. R8.

983

QUARTER DOLLAR. Same as foregoing. Copper. Plain edge. R10.

984

QUARTER DOLLAR. Same as foregoing. Copper. Reed-ed edge. R8.

985

QUARTER DOLLAR. Same as foregoing. Aluminum. Plain edge. R10.

986

QUARTER DOLLAR. Same as foregoing. Aluminum. Reeded edge. R8.

**987**

DIME. Two stars. Rev. STANDARD SILVER. Silver. Plain edge. R10.

988

DIME. Same as foregoing. Silver. Reeded edge. R8.

989

DIME. Same as foregoing. Copper. Plain edge. R10.

990

DIME. Same as foregoing. Copper. Reeded edge. R8.

991

DIME. Same as foregoing. Aluminum. Plain edge. R10.

992

DIME. Same as foregoing. Aluminum. Reeded edge. R8.

**993**

DIME. One star. Same rev. as foregoing. Silver. Plain edge. R10.

994

DIME. Same as foregoing. Silver. Reeded edge. R8.

995

DIME. Same as foregoing. Copper. Plain edge. R10.

996

DIME. Same as foregoing. Copper. Reeded edge. R8.

997

DIME. Same as foregoing. Aluminum. Plain edge. R10.

998

DIME. Same as foregoing. Aluminum. Reeded edge. R8.

**999**

DIME. Plain diadem. Silver. Plain edge. R10.

1000

DIME. Same as foregoing. Silver. Reeded edge. R8.

1001

DIME. Same as foregoing. Copper. Plain edge. R10.

1002

DIME. Same as foregoing. Copper. Reeded edge. R8.

1003

DIME. Same as foregoing. Aluminum. Plain edge. R10.

1004

DIME. Same as foregoing. Aluminum. Reeded edge. R8.

**1005**

DIME. Two stars. Rev. STANDARD 10 CENTS 1870. Silver. Plain edge. R10.

1006

DIME. Same as foregoing. Silver. Reeded edge. R8.

1007

DIME. Same as foregoing. Copper. Plain edge. R10.

1008

DIME. Same as foregoing. Copper. Reeded edge. R8.

1009

DIME. Same as foregoing. Aluminum. Plain edge. R10.

1010

DIME. Same as foregoing. Aluminum. Reeded edge. R8.

**1011**

DIME. One star. Same rev. as foregoing. Silver. Plain edge. R10.

1012

DIME. Same as foregoing. Silver. Reeded edge. R8.

1013

DIME. Same as foregoing. Copper. Plain edge. R10.

1014

DIME. Same as foregoing. Copper. Reeded edge. R8.

1015

DIME. Same as foregoing. Aluminium. Plain edge. R10.

1016

DIME. Same as foregoing. Aluminum. Reeded edge. R8.

**1017**

DIME. Plain diadem. Silver. Plain edge. R10.

1018

DIME. Same as foregoing. Silver. Reeded edge. R8.

1019

DIME. Same as foregoing. Copper. Plain edge. R10.

1020

DIME. Same as foregoing. Copper. Reeded edge. R8.

1021

DIME. Same as foregoing. Aluminum. Plain edge. R10.

1022

DIME. Same as foregoing. Aluminum. Reeded edge. R8.

**1023**

DIME. Barber design. Rev. STANDARD 10 CENTS. Silver. Plain edge. R10.

1024

DIME. Same as foregoing. Silver. Reeded edge. R10.

1025

DIME. Same as foregoing. Copper. Plain edge. R10.

1026

DIME. Same as foregoing. Copper. Reeded edge. R10.

1027

DIME. Same as foregoing. Aluminum. Plain edge. R10.

1028

DIME. Same as foregoing. Aluminum. Reeded edge. R10.

**1029**

DIME. Same ob. Rev. regular dies. Silver. Plain edge. R10.

1030

DIME. Same as foregoing. Silver. Reeded edge. R10.

1031

DIME. Same as foregoing. Copper. Plain edge. R10.

1032

DIME. Same as foregoing. Copper. Reeded edge. R10.

1033

DIME. Same as foregoing. Aluminum. Plain edge. R10.

1034

DIME. Same as foregoing. Aluminum. Reeded edge. R10.

1035

DIME. Regular dies. Copper. R13.

1036

DIME. Regular dies. Aluminum. R13.

1037

DIME. Regular dies. Nickel. R14.

**1038**

HALF DIME. Barber design. Rev. STANDARD 5 CENTS. Silver. Plain edge. R10.

1039

HALF DIME. Same as foregoing. Silver. Reeded edge. R10.

1040

HALF DIME. Same as foregoing. Copper. Plain edge. R10.

1041

HALF DIME. Same as foregoing. Copper. Reeded edge. R10.

1042

HALF DIME. Same as foregoing. Aluminum. Plain edge. R10.

1043

HALF DIME. Same as foregoing. Aluminum. Reeded edge. R10.

1044

HALF DIME. Same ob. Rev. regular dies. Silver. Plain edge. R10.

1045

HALF DIME. Same as foregoing. Silver. Reeded edge. R10.

1046

HALF DIME. Same as foregoing. Copper. Plain edge. R10.

1047

HALF DIME. Same as foregoing. Copper. Reeded edge. R10.

1048

HALF DIME. Same as foregoing. Aluminum. Plain edge. R10.

1049

HALF DIME. Same as foregoing. Aluminum. Reeded edge. R10.

1050

HALF DIME. Regular dies. Copper. R13.

1051

HALF DIME. Regular dies. Aluminum. R13.

1052

HALF DIME. Regular dies. Nickel. R14.

- 1053** FIVE CENTS. Regular dies. Steel. Unique. In the collection of Judson Brenner of De Kalb, Ill. R15.
- 1054** FIVE CENTS. Same as foregoing. Copper. R13.
- 1055** FIVE CENTS. Same as foregoing. Aluminum. R13.
- 1056** FIVE CENTS. Same as foregoing. Nickel. Thin planchet. R13.
- 1057** TRIME. Barber ob. Same as No. 1039. Rev. regular. Silver. Plain edge. R10.
- 1058** TRIME. Same as foregoing. Silver. Reeded edge. R10.
- 1059** TRIME. Same as foregoing. Copper. Plain edge. R10.
- 1060** TRIME. Same as foregoing. Copper. Reeded edge. R10.
- 1061** TRIME. Same as foregoing. Aluminum. Plain edge. R10.
- 1062** TRIME. Same as foregoing. Aluminum. Reeded edge. R10.
- 1063** TRIME. Regular dies. Copper. R13.
- 1064** TRIME. Regular dies. Aluminum. R13.
- 1065** TRIME. Regular dies. Nickel. R14.
- 1066** THREE CENTS. Regular dies. Copper. R13.
- 1067** THREE CENTS. Regular dies. Aluminum. R13.
- 1068** THREE CENTS. Regular dies. Nickel. R14.
- 1069** TWO CENTS. Regular dies. Copper. R13.
- 1070** TWO CENTS. Regular dies. Aluminum. R13.
- 1071** TWO CENTS. Regular dies. Nickel. R14.
- 1072** TWO CENTS. Regular dies, but struck on planchet made of native Lake Superior ore of silver and copper. R13.
- 1073** CENT. Regular dies. Copper. R13.

1074

CENT. Aluminum. Regular dies. R13.

1075

CENT. Regular dies. Nickel. R14.

1871.**1076**

DOUBLE EAGLE. Regular dies. Copper. R13.

1077

DOUBLE EAGLE. Regular dies. Aluminum. R13.

1078

DOUBLE EAGLE. Regular dies. Nickel. R15.

1079

EAGLE. Regular dies. Copper. R13.

1080

EAGLE. Regular dies. Aluminum. R13.

1081

EAGLE. Regular dies. Nickel. R13.

1082

HALF EAGLE. Regular dies. Copper. R13.

1083

HALF EAGLE. Regular dies. Aluminum. R13.

1084

HALF EAGLE. Regular dies. Nickel. R15.

1085

THREE DOLLARS. Regular dies. Silver. R14.

1086

THREE DOLLARS. Regular dies. Copper. R13.

1087

THREE DOLLARS. Regular dies. Aluminum. R13.

1088

THREE DOLLARS. Regular dies. Nickel. R15.

1089

QUARTER EAGLE. Regular dies. Copper. R13.

1090

QUARTER EAGLE. Regular dies. Aluminum. R13.

1091

QUARTER EAGLE. Regular dies. Nickel. R15.

1092

DOLLAR. (Gold.) Regular dies. Copper. R13.

1093

DOLLAR. Do. Regular dies. Aluminum. R13.

1094

DOLLAR. Regular dies. Nickel. R15.

1095

DOLLAR. (Silver.) Regular dies. Copper. R13.

1096

DOLLAR. Regular dies. Aluminum. R13.

1097

DOLLAR. Regular dies. Nickel. R15.

**1098**

DOLLAR. Longacre ob. No stars. Rev. regular dies. Silver. Plain edge. R13.

1099

DOLLAR. Same as foregoing. Silver. Reeded edge. R13.

1100

DOLLAR. Same as foregoing. Copper. Plain edge. R13.

1101

DOLLAR. Same as foregoing. Copper. Reeded edge. R13.

1102

DOLLAR. Same as foregoing. Aluminum. Plain edge. R13.

1103

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R13.

1104

DOLLAR. Same ob. as foregoing. Rev. STANDARD. Same as reverse of No. 851 of 1870. Silver. Plain edge. R13.

1105

DOLLAR. Same as foregoing. Silver. Reeded edge. R13.

1106

DOLLAR. Same as foregoing. Copper. Plain edge. R13.

1107

DOLLAR. Same as foregoing. Copper. Reeded edge. R13.

1108

DOLLAR. Same as foregoing. Aluminum. Plain edge. R13.

1109

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R13.

**1110**

DOLLAR. Longacre design, with thirteen stars around border. Rev. STANDARD, same as No. 851. Silver. Reeded edge. (Only five specimens said to have been struck.) R13.

1111

DOLLAR. Same as foregoing. Silver. Plain edge. R13.

1112

DOLLAR. Same as foregoing. Copper. Plain edge. R12.

1113

DOLLAR. Same as foregoing. Copper. Reeded edge. R12.

1114

DOLLAR. Same as foregoing. Aluminum. Plain edge. R12.

1115

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R12.

**1116**

DOLLAR. Same ob. Rev. COMMERCIAL. Silver. Plain edge. R12.

NOTE.—There is but one “Commercial” reverse, the same as the reverse of No. 1116, and this was combined with other obverses in 1872, 1875, and 1876.

1117

DOLLAR. Same as foregoing. Silver. Reeded edge. R12.

1118

DOLLAR. Same as foregoing. Copper. Plain edge. R13.

1119

DOLLAR. Same as foregoing. Copper. Reeded edge. R13.

1120

DOLLAR. Longacre design, but different die from No.1116. Rev. same as foregoing. Silver. Reeded edge. R12.

1121

DOLLAR. Same as foregoing. Copper. Reeded edge. R13.

1122

DOLLAR. Longacre design, with stars. Rev. regular dies. Silver. Plain edge. R12.

1123

DOLLAR. Same as foregoing. Silver. Reeded edge. R12.

1124

DOLLAR. Same as foregoing. Copper. Plain edge. R12.

1125

DOLLAR. Same as foregoing. Copper. Reeded edge. R12.

1126

DOLLAR. Same as foregoing. Aluminum. Plain edge. R12.

1127

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R12.

1128

DOLLAR. Ob. regular dies. Rev. Commercial. Silver. Reeded edge. R12.

**1129**

DOLLAR. Longacre. No stars. Rev. Regular of 1865, without motto. Copper. Reeded edge. R13.

**1130**

HALF DOLLAR. Longacre ob. With stars. Rev. regular. Silver. R12.

1131

HALF DOLLAR. Same as foregoing. Copper. R12.

1132

HALF DOLLAR. Same as foregoing. Aluminum. R12.

1133

HALF DOLLAR. Same ob. as foregoing. Rev. STANDARD 50 CENTS. Silver. R12.

1134

HALF DOLLAR. Same as foregoing. Copper. R12.

1135

HALF DOLLAR. Same as foregoing. Aluminum. R12.

**1136**

HALF DOLLAR. Longacre, without stars. Rev. regular dies. Silver. R12.

1137

HALF DOLLAR. Same as foregoing. Copper. R12.

1138

HALF DOLLAR. Same as foregoing. Aluminum. R12.

**1139**

HALF DOLLAR. Same ob. as foregoing. Rev. STANDARD. Same as reverse of No. 883. Silver. R12.

1140

HALF DOLLAR. Same as foregoing. Copper. R12.

1141

HALF DOLLAR. Same as foregoing. Aluminum. R12.

1142

HALF DOLLAR. Regular dies. Copper. R13.

1143

HALF DOLLAR. Regular dies. Aluminum. R13.

1144

QUARTER DOLLAR. Longacre, with stars. Rev. STANDARD. Same as reverse of No. 975. Silver. R12.

1145

QUARTER DOLLAR. Same as foregoing. Copper. R12.

1146

QUARTER DOLLAR. Same as foregoing. Aluminum. R12.

1147

QUARTER DOLLAR. Longacre, with stars. Rev. regular dies. Silver. R12.

1148

QUARTER DOLLAR. Same as foregoing. Copper. R12.

1149

QUARTER DOLLAR. Same as foregoing. Aluminum. R12.

1150

QUARTER DOLLAR. Longacre, without stars. Rev. STANDARD. Silver. R12.

1151

QUARTER DOLLAR. Same as foregoing. Copper. R12.

1152

QUARTER DOLLAR. Same as foregoing. Aluminum. R12.

1153

QUARTER DOLLAR. Longacre, without stars. Rev. regular dies. Silver. R12.

1154

QUARTER DOLLAR. Same as foregoing. Copper. R12.

1155

QUARTER DOLLAR. Same as foregoing. Aluminum. R12.

1156

QUARTER DOLLAR. Regular dies. Copper. R12.

1157

QUARTER DOLLAR. Regular dies. Aluminum. R12.

1158

QUARTER DOLLAR. Regular dies. Nickel. R15.

1159

DIME. Regular dies. Copper. R13.

1160

DIME. Regular dies. Aluminum. R13.

1161

DIME. Regular dies. Nickel. R15.

1162

DIME. Longacre, with stars. Rev. regular. Silver. R12.

- 1163** DIME. Same as foregoing. Copper. R12.
- 1164** DIME. Same as foregoing. Aluminum. R12.
- 1165** DIME. Longacre, with stars. Rev. STANDARD. Silver. R12.
- 1166** DIME. Same as foregoing. Copper. R12.
- 1167** DIME. Same as foregoing. Nickel. R13.
- 1168** DIME. Same as foregoing. Aluminum. R12.
- 1169** DIME. Longacre, without stars. Rev. regular dies. Silver. R12.
- 1170** DIME. Same as foregoing. Copper. R12.
- 1171** DIME. Same as foregoing. Aluminum. R12.
- 1172** DIME. Longacre, without stars. Rev. STANDARD. Silver. R12.
- 1173** DIME. Same as foregoing. Copper. R12.
- 1174** DIME. Same as foregoing. Aluminum. R12.
- 1175** HALF DIME. Regular dies. Copper. R13.
- 1176** HALF DIME. Regular dies. Aluminum. R13.
- 1177** HALF DIME. Regular dies. Nickel. R15.
- 1178** HALF DIME. Longacre, without stars. Rev. STANDARD Silver. R12.
- 1179** HALF DIME. Same as foregoing. Copper. R12.
- 1180** HALF DIME. Same as foregoing. Aluminum. R12.
- 1181** HALF DIME. Longacre, without stars. Rev. regular dies Silver. R12.
- 1182** HALF DIME. Same as foregoing. Copper. R12.
- 1183** HALF DIME. Same as foregoing. Aluminum. R12.

- 1184** HALF DIME. Longacre, with stars. Rev. STANDARD. Silver. R12.
- 1185** HALF DIME. Same as foregoing. Copper. R12.
- 1186** HALF DIME. Same as foregoing. Aluminum. R12.
- 1187** HALF DIME. Longacre, with stars. Rev. regular dies. Silver. R12.
- 1188** HALF DIME. Same as foregoing. Copper. R12.
- 1189** HALF DIME. Same as foregoing. Aluminum. R12.
- 1190** FIVE CENTS. Regular dies. Steel. Unique. In the collection of Judson Brenner of De Kalb, Ill. R15.
- 1191** FIVE CENTS. Same as foregoing. Copper. R10.
- 1192** FIVE CENTS. Same as foregoing. Aluminum. R10.



- 1193** FIVE CENTS. Shading on right arm of numeral. Nickel. R8.
- 1194** FIVE CENTS. Same as foregoing. Copper. R6.
- 1195** FIVE CENTS. Same as foregoing. Aluminum. R8.
- 1196** FIVE CENTS. Same as foregoing, but on larger planchet. Aluminum. R8.



- 1197** FIVE CENTS. Rev. 5 CENTS in wreath. Nickel. R8.

1198

FIVE CENTS. Same as foregoing. Copper. R6.

1199

FIVE CENTS. Same as foregoing. Aluminum. R8.

1200

TRIME. Regular dies. Copper. R13.

1201

TRIME. Regular dies. Aluminum. R13.

1202

TRIME. Regular dies. Nickel. R15.

1203

THREE CENTS. Regular dies. Copper. R13.

1204

THREE CENTS. Regular dies. Aluminum. R13.

1205

TWO CENTS. Regular dies. Copper. R13.

1206

TWO CENTS. Regular dies. Aluminum. R13.

1207

CENT. Regular dies. Copper. R13.

1208

CENT. Regular dies. Aluminum. R13.

1872.



1209

DOUBLE EAGLE. The design of William Barber. Gold. Unique. In the collection of William H. Woodin of New York City, who also owns the remainder of the set of six pieces, which includes the \$20, \$10, \$5, \$3, \$2.50, and \$1, and is the only set known in this metal. This represents the only complete set of distinctively pattern gold denominations in the list of the pattern issues of the mint. The set also was struck in copper and aluminum. It is said that but two sets were struck in the last-named metal. The copper set also is rare. R15.

1210

DOUBLE EAGLE. Same as foregoing. Aluminum. R14.

1211

DOUBLE EAGLE. Same as foregoing. Copper. R12.

1212

DOUBLE EAGLE. Regular dies. Copper. R13.

1213

DOUBLE EAGLE. Regular dies. Aluminum. R13.

1214

EAGLE. Regular dies. Copper. R13.

1215

EAGLE. Regular dies. Aluminum. R13.

**1216**

EAGLE. Barber design. Gold. R15.

1217

EAGLE. Barber design. Copper. R12.

1218

EAGLE. Barber design. Aluminum. R14.

**1219**

HALF EAGLE. Barber design. Gold. R15.

1220

HALF EAGLE. Barber design. Copper. R12.

1221

HALF EAGLE. Barber design. Aluminum. R14.

1222

HALF EAGLE. Regular dies. Copper. R13.

1223

HALF EAGLE. Regular dies. Aluminum. R13.

**1224**

THREE DOLLARS. Barber design. Gold. R15.

1225

THREE DOLLARS. Barber design. Copper. R12.

1226

THREE DOLLARS. Barber design. Aluminum. R14.

1227

THREE DOLLARS. Regular dies. Copper. R13.

1228

THREE DOLLARS. Regular dies. Aluminum. R13.



1229

QUARTER EAGLE. Barber design. Gold. R15.

1230

QUARTER EAGLE. Barber design. Copper. R12.

1231

QUARTER EAGLE. Barber design. Aluminum. R14.

1232

QUARTER EAGLE. Regular dies. Copper. R13.

1233

QUARTER EAGLE. Regular dies. Aluminum. R13.



1234

DOLLAR. (Gold.) Barber design. Gold. R15.

1235

DOLLAR. Barber design. Copper. R12.

1236

DOLLAR. Barber design. Aluminum. R14.

1237

DOLLAR. (Gold.) Regular dies. Copper. R13.

1238

DOLLAR. Do. Regular dies. Aluminum. R13.

1239

DOLLAR. Longacre design, by Barber. Rev. regular die. Silver. Reeded edge. R12.

1240

DOLLAR. Same as foregoing. Silver. Plain edge. R12.

1241

DOLLAR. Same ob. as foregoing. Rev. blank. White metal. R14.

1242

DOLLAR. (Silver.) Regular dies. Copper. R13.

1243

DOLLAR. Do. Regular dies. Aluminum. R13.

**1244**

DOLLAR. (Trade.) Longacre ob., by Barber. Rev. TRADE DOLLAR &c., in wreath. Silver. Reeded edge. (But five of these pieces are said to have been struck.) R13.

1245

DOLLAR. Same as foregoing. Aluminum. R13.

1246

DOLLAR. Same as foregoing. Copper. R13.

**1247**

DOLLAR. (Trade.) Same ob. as foregoing. Rev. same as one of the pattern trade dollars of 1873. Said to have been struck by mistake, and to be unique. In the collection of William H. Woodin of New York City. Silver. Reeded edge. R15.

1248

DOLLAR. Longacre design. Same as No. 1244. Rev. Commercial. Silver. Reeded edge. R12.

1249

DOLLAR. Longacre design, by Barber. Rev. Commercial. Silver. Plain edge. R12.

1250

DOLLAR. Same as foregoing. Silver. Reeded edge. R12.

1251

DOLLAR. Same as foregoing. Copper. Plain edge. R12.

1252

DOLLAR. Same as foregoing. Copper. Reeded edge. R12.

1253

DOLLAR. Same as foregoing. Aluminum. R12.

**1254**

DOLLAR. Regular ob. of the year. Rev. Commercial. Silver. Reeded edge. R12.

**1255**

DOLLAR. The Amazonian design of William Barber. Silver. R13.

1256

DOLLAR. Same as foregoing. Copper. R14.

1257

DOLLAR. Same as foregoing. Aluminum. R14.

NOTE.—Of this design, four sets of dollar, half, and quarter dollar are said to have been struck in silver, three in aluminum, and three in copper.



- 1258** HALF DOLLAR. Amazonian. Silver. R13.
1259 HALF DOLLAR. Same as foregoing. Copper. R14.
1260 HALF DOLLAR. Same as foregoing. Aluminum. R14.
1261 HALF DOLLAR. Regular dies. Copper. R13.
1262 HALF DOLLAR. Regular dies. Aluminum. R13.



- 1263** QUARTER DOLLAR. Amazonian. Silver. R13.
1264 QUARTER DOLLAR. Same as foregoing. Copper. R14.
1265 QUARTER DOLLAR. Same as foregoing. Aluminum. R14.
1266 QUARTER DOLLAR. Regular dies. Copper. R13.
1267 QUARTER DOLLAR. Same as foregoing. Aluminum. R13.
1268 DIME. Regular dies. Copper. R13.
1269 DIME. Regular dies. Aluminum. R13.
1270 HALF DIME. Regular dies. Copper. R13.
1271 HALF DIME. Regular dies. Aluminum. R13.
1272 FIVE CENTS. Regular dies. Copper. R13.
1273 FIVE CENTS. Regular dies. Aluminum. R13.

1274

TRIME. Regular dies. Copper. R13.

1275

TRIME. Regular dies. Aluminum. R13.

1276

THREE CENTS. Regular dies. Copper. R13.

1277

THREE CENTS. Regular dies. Aluminum. R13.

1278

TWO CENTS. Regular dies. Copper. R13.

1279

TWO CENTS. Regular dies. Aluminum. R13.

1280

CENT. Regular dies. Copper. R13.

1281

CENT. Regular dies. Aluminum. R13.

1873.

1282

DOUBLE EAGLE. Regular dies. Copper. R13.

1283

DOUBLE EAGLE. Regular dies. Aluminum. R13.

1284

EAGLE. Regular dies. Copper. R13.

1285

EAGLE. Regular dies. Aluminum. R13.



1286

HALF EAGLE. The design of William Barber. Gold. (The reverse is the same as the half eagle pattern of 1872.) R15.

1287

HALF EAGLE. Same as foregoing. Copper. R13.

1288

HALF EAGLE. Same as foregoing. White metal. R14.

1289

HALF EAGLE. Regular dies. Copper. R13.

1290

HALF EAGLE. Regular dies. Aluminum. R13.

1291

THREE DOLLARS. Regular dies. Copper. R13.

1292

THREE DOLLARS. Regular dies. Aluminum. R13.

1293

QUARTER EAGLE. Regular dies. Copper. R13.

1294

QUARTER EAGLE. Regular dies. Aluminum. R13.

1295

DOLLAR. (Gold.) Regular dies. Copper. R13.

1296

DOLLAR. Do. Regular dies. Aluminum. R13.

**1297**

DOLLAR. (Trade.) Rev. same as reverse of No. 1244. Plain edge. R13.

1298

DOLLAR. Same as foregoing. Silver. Reeded edge. R6.

1299

DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

1300

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R13.

1301

DOLLAR. Same as foregoing. Plain edge. White metal. R13.

**1302**

DOLLAR. Silver. Plain edge. The Bailey design. R13.

1303

DOLLAR. Same as foregoing. Silver. Reeded edge. R6

1304

DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

1305

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R13.

1306

DOLLAR. Same ob. as foregoing. Copper. Reeded edge. R8.

**1307**

DOLLAR. Silver. Plain edge. R13.

1308

DOLLAR. Same as foregoing. Silver. Reeded edge. R6.

1309

DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

1310

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R13.

1311

DOLLAR. Same as foregoing. White metal. Plain edge. R13.

**1312**

DOLLAR. The Bailey design. Silver. Plain edge. R13.

1313

DOLLAR. Same as foregoing. Reeded edge. Silver. R6.

1314

DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

1315

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R8.

1316

DOLLAR. Same as foregoing. White metal. Plain edge. R12.

**1317**

DOLLAR. Short plow handles. Rev. same as reverse of No. 1244. Silver. Plain edge. R13.

1318

DOLLAR. Same as foregoing. Silver. Reeded edge. R6.

1319

DOLLAR. Same as foregoing. Copper. Plain edge. R8.

1320

DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

1321

DOLLAR. Same as foregoing. White metal. Plain edge. R12.

**1322**

DOLLAR. Same ob. Rev. same as reverse of No. 1302. White metal. Plain edge. R12.

**1323**

DOLLAR. Silver. Plain edge. R13.

1324

DOLLAR. Same as foregoing. Silver. Reeded edge. R6.

1325

DOLLAR. Same as foregoing. Copper. Reeded edge. R8.

1326

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R8.

1327

DOLLAR. Same as foregoing. White metal. Plain edge. R12.

**1328**

DOLLAR. Same ob. as foregoing. White metal. Plain edge. R13.

NOTE.—The above represents one of quite a series of trade dollar patterns which were made by muling, or combining, two dies which had been used on other patterns of the same denomination of the year. It is not supposed to exist in silver. Quite a number of these combinations are known in white metal, and are given here, but so far as known not one of them, unless mentioned, has been struck in silver. The above reverse design is that of William Barber, and the same style of eagle was used on the unique gold pattern set of 1872 and also on a pattern five-dollar goldpiece of 1873, No. 1286.

**1329**

DOLLAR. Rev. same as reverse of No. 1244. Supposed to be unique. In the collection of William H. Woodin of New York City. White metal. Plain edge. R15.

1330

DOLLAR. Long plow handles. Obverse same as No. 1334. Rev. same as foregoing. Silver. Reeded edge. R10.

1331

DOLLAR. Same as foregoing. Copper. Reeded edge. R10.

1332

DOLLAR. Same as foregoing. Copper. Plain edge. R10.

1333

DOLLAR. Same as foregoing. Aluminum. Reeded edge. R10.

**1334**

DOLLAR. Same ob. White metal. Plain edge. R12.

**1335**

DOLLAR. Same ob. White metal. Plain edge. R12.

1336

DOLLAR. Same ob. White metal. Plain edge. R12.

**1337**

DOLLAR. White metal. Reeded edge. R12.

**1338**

DOLLAR. Without date. Similar to regularly adopted obverse and reverse, but from different dies. Silver. Reeded edge. R13.

1339

DOLLAR. Same as foregoing. Reeded edge. Copper. R13.

**1340**

DOLLAR. Longacre's ob. Copper. Reeded edge. R12.

NOTE.—The above obverse is exactly the same as was used on the regular United States double eagle of the year, the design of James B. Longacre. But two varieties of the pattern trade dollar bear this obverse design, and they are known only in copper.

**1341**

DOLLAR. Same ob. Rev. same as reverse of No. 1335.
Copper. Reeded edge. R12.

**1342**

DOLLAR. Regular dies of trade dollar. Copper. Reeded edge. R13.

1343

DOLLAR. Same as foregoing. Aluminum. R13.

1344

HALF DOLLAR. Regular dies. Copper. R13.

1345

HALF DOLLAR. Regular dies. Aluminum. R13.

1346

QUARTER DOLLAR. Regular dies. Copper. R13.

1347

QUARTER DOLLAR. Regular dies. Aluminum. R13.

1348

DIME. Regular dies. Copper. R13.

1349

DIME. Regular dies. Aluminum. R13.

1350

HALF DIME. Regular dies. Copper. R13.

1351

HALF DIME. Regular dies. Aluminum. R13.

1352

FIVE CENTS. Regular dies. Copper. R13.

- 1353** FIVE CENTS. Regular dies. Aluminum. R13.
1354 TRIME. Regular dies. Copper. R13.
1355 TRIME. Regular dies. Aluminum. R13.
1356 THREE CENTS. Regular dies. Copper. R13.
1357 THREE CENTS. Regular dies. Aluminum. R13.
1358 TWO CENTS. Regular dies. Copper. R13.
1359 TWO CENTS. Regular dies. Aluminum. R13.
1360 CENT. Regular dies. Copper. R13.
1361 CENT. Regular dies. Aluminum. R13.



1874.

The second pattern piece to be made for international use was dated 1874. This was struck at the instance of Dana Bickford of New York City. Mr. Bickford, while on a European tour, experienced much trouble in exchanging the money of one country for that of another. Upon his return he suggested a design that would fulfill the purposes of ready exchange in various countries to the Director of the Mint, Dr. Henry R. Linderman. One of these designs was adopted on a pattern coin struck at the mint in 1874, of the denomination of ten dollars. This was struck in gold, copper, nickel, and in aluminum. The idea was not approved.

In 1876 Mr. Bickford proposed two other denominations of coins for international use—one of fifty cents, the other of ten dollars, but it is not known whether dies showing these designs were ever prepared. The designs were as follows:

The obverse of the fifty-cent piece showed the eagle as used on the reverse of the regular half dollar, around the border being inscribed "United States of America Half Dol. 1876." Over the eagle, on a ribbon, was the motto, "In God We Trust." The reverse shows a circular inclosure containing six smaller circles. The first or central circle bears the inscription "12.50 GRAMS UBIQUE." The second circle, "STERLING 2/2." Third circle, "MARKEN 2.25." Fourth circle, "KRONEN 1.89." Fifth circle, "FLORIN 1.01." Sixth circle, "PESETA, 2.41." Seventh circle, "FRANCS 2.70."

The obverse of the ten-dollar piece was the same as that of 1874, with the date of 1876. The reverse showed the field divided into seven irregular sections, in the centre being "16.72 GRAMS 900 FINE TEN DOL." The second section contained the inscription in Russian, "RUBELS 12.58." Third section, "STERLING 2.1.1." Fourth section, "MARKEN 41.99." Fifth section, "GULDEN 20.70." Sixth section, "KRONEN 37.31." Seventh section, "FRANCS 51.81."

This year also was remarkable for the production of the first pattern for the twenty-cent piece. This coin bore on the obverse the same design as one of the pattern trade dollars of 1873, showing Liberty seated on a rock, with globe, &c. Behind her a sheaf of wheat, and on the ground two bales of cotton and a branch of the tobacco plant. The reverse shows an eagle, with the inscription, "United States of America Twenty Cents."

Though not authorized until the act of March 3, 1875, yet the twenty-cent piece had been one of the earliest denominations suggested for United States coinage, under the title of "double dime." The need for a coin of this denomination is said to have arisen in the Western States, particularly in the Pacific States and Texas. At this period five-cent pieces were not in circulation in that section of the country. Owing to the lack of a five-cent piece purchasers often lost five cents in transactions, there being no coin intermediate to the ten and twenty-five cent pieces. For instance, if a payment of ten cents was to be made, and a twenty-five-cent piece tendered, the purchaser, instead of receiving in return his proper change, would be forced to receive a ten-cent piece.

Nevertheless the twenty-cent piece did not meet the favor of the public, and was often mistaken for a quarter, the design of which it closely resembled. The coin was withdrawn from circulation three years after having been issued.

1362

DOUBLE EAGLE. Regular dies. Copper. R13.

1363

DOUBLE EAGLE. Regular dies. Aluminum. R13.

1364

EAGLE. Regular dies. Copper. R13.

1365

EAGLE. Regular dies. Aluminum. R13.

**1366**

QUARTER EAGLE. Regular dies. Copper. R13.
Gold. Reeded edge. (Only two specimens known in this metal, one of which is in the collection of W. W. C. Wilson of Montreal, Canada, and the other is owned by William H. Woodin of New York City.) R14.

1367

EAGLE. Same as foregoing. Copper. Reeded edge. R6.

1368

EAGLE. Same as foregoing. Aluminum. Reeded edge. R13.

1369

EAGLE. Same as foregoing. Nickel. Reeded edge. R13.

1370

EAGLE. Same as foregoing. Nickel. Plain edge. R13.

1371

HALF EAGLE. Regular dies. Copper. R13.

1372

HALF EAGLE. Regular dies. Aluminum. R13.

1373

THREE DOLLARS. Regular dies. Copper. R13.

1374

THREE DOLLARS. Regular dies. Aluminum. R13.

1375

QUARTER EAGLE. Regular dies. Aluminum. R13.

1376

EAGLE. Dana Bickford's International Ten Dollar Piece.

1377

DOLLAR. (Gold.) Regular dies. Copper. R13.

1378

DOLLAR. Same as foregoing. Aluminum. R13.

1379

DOLLAR. (Trade.) Regular dies. Copper. R13.

1380

DOLLAR. Same as foregoing. Aluminum. R13.

1381

HALF DOLLAR. Regular dies. Copper. R13.

1382

HALF DOLLAR. Regular dies. Aluminum. R13.

1383

QUARTER DOLLAR. Regular dies. Copper. R13.

1384

QUARTER DOLLAR. Regular dies. Aluminum. R13.

**1385**

TWENTY CENTS. The Bailey design. Rev. similar to adopted design but from a different die. Silver. R10.

1386

TWENTY CENTS. Same as foregoing. Copper. R10.

**1387**

TWENTY CENTS. Same as foregoing. Aluminum. R10.

NOTE.—A silver proof of the foregoing design at the Eavenson sale bore the memorandum “First piece struck July 30, 1874.”

1388

TWENTY CENTS. Same ob. as foregoing. Rev. 20 CENTS in wreath. Silver. R10.

1389

TWENTY CENTS. Same as foregoing. Nickel. R13.

1390

DIME. Regular dies. Copper. R13.

1391

DIME. Regular dies. Aluminum. R13.

1392

FIVE CENTS. Regular dies. Copper. Thin planchet. R13.

1393

FIVE CENTS. Regular dies. Copper. Thick planchet. R13.

1394

FIVE CENTS. Regular dies. Aluminum. R13.

1395

THREE CENTS. Regular dies. Copper. R13.

1396

THREE CENTS. Regular dies. Aluminum. R13.

1397

CENT. Regular dies. Copper. R13.

1398

CENT. Regular dies. Aluminum. R13.

1875.**1399**

DOUBLE EAGLE. Regular dies. Copper. R13.

1400

DOUBLE EAGLE. Regular dies. Aluminum. R13.

1401

EAGLE. Regular dies. Copper. R13.

1402

EAGLE. Regular dies. Aluminum. R13.

**1403**

EAGLE. Design of William Barber. Gold. (Only two specimens said to have been struck in this metal. One is owned by Virgil M. Brand of Chicago, Ill., the other by William H. Woodin of New York City.) R14.

1404

EAGLE. Same as foregoing. Copper. R10.

1405

EAGLE. Same as foregoing. Aluminum. R13.

**1406**

HALF EAGLE. Same design as foregoing, with difference of denomination. Only two specimens known in gold, one in the Brand, the other in the Woodin collection. R14.

1407

HALF EAGLE. Same as foregoing. Copper. R10

1408

HALF EAGLE. Same as foregoing. Aluminum. R13.

1409

HALF EAGLE. Regular dies. Copper. R13.

1410

HALF EAGLE. Regular dies. Aluminum. R13.

1411

HALF EAGLE. Ob. head of Liberty, with E PLURIBUS UNUM around the border. Date 1875. LIBERTY on coronet. Rev. unusual design of eagle, with spread wings, olive branch, and arrows. Around top of border UNITED STATES OF AMERICA. Below FIVE DOLLARS. Copper. Said to be unique. In the collection of H. O. Granberg of Oshkosh, Wis.

R15.**1412**

THREE DOLLARS. Regular dies. Copper. R13.

1413

THREE DOLLARS. Regular dies. Aluminum. R13.

1414

QUARTER EAGLE. Regular dies. Copper. R13.

1415

QUARTER EAGLE. Regular dies. Aluminum. R13.

1416

DOLLAR. (Gold.) Regular dies. Copper. R13.

1417

DOLLAR. Same as foregoing. Aluminum. R13.

1418

DOLLAR. (Trade.) Regular dies. Copper. R13.

1419

DOLLAR. Same as foregoing. Aluminum. R13.

**1420**

DOLLAR. (Commercial.) Silver. (Six specimens said to have been struck in silver, eight in copper, and two in aluminum.) R12.

1421

DOLLAR. Same as foregoing. Copper. R12.

1422

DOLLAR. Same as foregoing. Aluminum. R14.

**1423**

DOLLAR. Same ob. as foregoing. Rev. regular die of 1865, without the motto. Silver. (Six said to have been struck in silver, eight in copper, and two in aluminum.) R12.

1424

DOLLAR. Same as foregoing. Copper. R12.

1425

DOLLAR. Same as foregoing. Aluminum. R14.

**1426**

DOLLAR. Same ob. as foregoing. Rev. from the regular reverse die of the trade dollar. Silver. R12.

1427

DOLLAR. Same as foregoing. White metal. R12.

1428

DOLLAR. Same as foregoing. Aluminum. R12.

1429

HALF DOLLAR. Regular dies. Copper. R13.

1430

HALF DOLLAR. Regular dies. Aluminum. R13.

1431

QUARTER DOLLAR. Regular dies. Copper. R13.

1432

QUARTER DOLLAR. Regular dies. Aluminum. R13.



1433 TWENTY CENTS. Regular dies. Copper. R10.

1434 TWENTY CENTS. Regular dies. Aluminum. R13.



1435 TWENTY CENTS. Liberty head to left. Silver. R10.

1436 TWENTY CENTS. Same as foregoing. Copper. R10.

1437 TWENTY CENTS. Same as foregoing. Aluminum. R12.

1438 TWENTY CENTS. Same as foregoing. Nickel. R13.



1439 TWENTY CENTS. Liberty at seashore. Rev. 1/5 OF A DOLLAR. Silver. R10.

1440 TWENTY CENTS. Same as foregoing. Copper. R10.

1441 TWENTY CENTS. Same as foregoing. Aluminum. R12.



1442 TWENTY CENTS. Same ob. as foregoing. Rev. similar to that adopted. Silver. R10.

1443

TWENTY CENTS. Same as foregoing. Copper. R10.

1444

TWENTY CENTS. Same as foregoing. Aluminum. R12.

1445

TWENTY CENTS. Same as foregoing. Nickel. R13.

**1446**

TWENTY CENTS. Same ob. as foregoing. Rev. 20 CENTS in wreath. Silver. R10.

1447

TWENTY CENTS. Same as foregoing. Copper. R10.

1448

TWENTY CENTS. Same as foregoing. Aluminum. R12.

**1449**

TWENTY CENTS. Ob. similar to regular, but smaller date. Rev. 1/5 OF A DOLLAR. Silver. R10.

1450

TWENTY CENTS. Same as foregoing. Copper. R10.

1451

TWENTY CENTS. Same as foregoing. Aluminum. R12.

1452

TWENTY CENTS. Same as foregoing. Nickel. R13.

**1453**

TWENTY CENTS. Same ob. as foregoing. Rev. similar to adopted die, but leaves in olive branch overlap. Silver. R10.

1454

TWENTY CENTS. Same as foregoing. Aluminum. R12.

- 1455**
 TWENTY CENTS. Same as foregoing. Copper. R10.
- 1456**
 DIME. Regular dies. Copper. R13.
- 1457**
 DIME. Regular dies. Aluminum. R13.
- 1458**
 FIVE CENTS. Regular dies. Copper. R13.
- 1459**
 FIVE CENTS. Regular dies. Aluminum. R13.
- 1460**
 THREE CENTS. Regular dies. Copper. R13.
- 1461**
 THREE CENTS. Regular dies. Aluminum. R13.
- 1462**
 CENT. Regular dies. Copper. R13.
- 1463**
 CENT. Regular dies. Aluminum. R13.

1876.



- 1464**
 DOUBLE EAGLE. (The die that was adopted in 1877.) Gold. Said to be unique. In the collection of William H. Woodin of New York City. R15.
- 1465**
 DOUBLE EAGLE. Same as foregoing. Copper. R12.
- 1466**
 DOUBLE EAGLE. Different dies from the foregoing. Gold. Thought to be unique. In the collection of William H. Woodin. R15.
- 1467**
 DOUBLE EAGLE. Same as foregoing. Copper. R12.



- 1468** DOUBLE EAGLE. Regular dies. Copper. R13.
- 1469** DOUBLE EAGLE. Regular dies. Aluminum. R13.
- 1470** EAGLE. Regular dies. Copper. R13.
- 1471** EAGLE. Regular dies. Aluminum. R13.
- 1472** HALF EAGLE. Regular dies. Copper. R13.
- 1473** HALF EAGLE. Regular dies. Aluminum. R13.
- 1474** THREE DOLLARS. Regular dies. Copper. R13.
- 1475** THREE DOLLARS. Regular dies. Aluminum. R13.
- 1476** QUARTER EAGLE. Regular dies. Copper. R13.
- 1477** QUARTER EAGLE. Regular dies. Aluminum. R13.
- 1478** DOLLAR. (Gold.) Regular dies. Copper. R13.
- 1479** DOLLAR. Same as foregoing. Aluminum. R13.
- 1480** DOLLAR. (Trade.) Regular dies. Copper. R13.
- 1481** DOLLAR. Same as foregoing. Aluminum. R13.

**1482**

DOLLAR. Liberty head, border of pearls on diadem, with stars and IN GOD WE TRUST around the border. Rev. ONE DOLLAR in wreath. UNITED STATES OF AMERICA E PLURIBUS UNUM around the border. Silver. Two said to have been struck. R14.

NOTE.—Of the following eight varieties of 1876 pattern dollars there are but two complete sets known in silver. One of these sets is owned by Mr. H. O. Granberg, of Oshkosh, Wis., the other by Mr. William H. Woodin of New York City.

It was not until three years ago that the existence of an 1876 dollar pattern in silver was learned, at which time the two sets mentioned came to notice. The cataloguers were totally unaware of any pieces having been struck in the Centennial year with the exception of two of the designs mentioned here in copper.

1483

DOLLAR. Same as foregoing. Copper. R13.

**1484**

DOLLAR. Ob. similar to foregoing, but plain diadem. Rev. the same as foregoing. Silver. Two said to have been struck. R14.

1485

DOLLAR. Same as foregoing. Copper. R13.

**1486**

DOLLAR. Liberty head without stars or motto. Rev. same as foregoing. Silver. Two said to have been struck. R14.

1487

DOLLAR. Same as foregoing. Copper. R13.

**1488**

DOLLAR. Similar ob. to foregoing, but beneath the bust the motto IN GOD WE TRUST. Silver. Two said to have been struck. R14.

1489

DOLLAR. Same as foregoing. Copper. R13.

**1490**

DOLLAR. Ob. seated figure of Liberty similar to that on 1875 commercial dollar, but IN GOD WE TRUST below base. Silver. Five said to have been struck. R13.

1491

DOLLAR. Same as foregoing. Copper. R14.

**1492**

DOLLAR. Same ob. as foregoing. Rev. from regular trade dollar die. Silver. Two said to have been struck. R14.

1493

DOLLAR. Same as foregoing. Copper. R14.

**1494**

DOLLAR. Same ob. as foregoing. Silver. R14.

1495

DOLLAR. Same as foregoing. Copper. R14.

**1496**

DOLLAR. Same ob. as foregoing. Rev. the commercial dollar die. Silver. But two specimens said to have been struck. R14.

1497

DOLLAR. Same as foregoing. Copper. R14.

1877.

In this year was struck at the mint two of the rarest and most interesting pattern coins of the whole series. They were of a denomination higher than any coin of regular issue, being of fifty dollars value, and are regarded by all collectors as the most desirable coins ever issued at the United States Mint.

Each of these gold pieces is of distinctive design, being the work of William Barber, and both are exactly two inches in diameter and one-eighth of an inch in thickness.

They were the only fifty-dollar pieces issued by the mint, and are not to be confused with the fifty-dollar pieces issued in California, dated respectively 1851, 1852, and 1855. The ones dated 1851 and 1852, octagonal in shape, are of a semi-official character, having been issued by the Government assaying contracting firm of Moffat & Co., and those dated 1855, of two varieties, circular in form, were issued by the private minting firms of Wass, Molitor & Co., and Kellogg & Co.

Those issued at the mint at Philadelphia, dated 1877, never emerged from the experimental stage, but nevertheless are strictly of official origin.

And yet the two circular pieces of California and the two pattern coins issued at Philadelphia are closely associated, for they were all issued in response to a general demand on the part of the bankers and merchants of San Francisco.

Before the establishment of the United States branch mint at San Francisco in 1854 the Californians had to rely upon gold dust and the coins made by private persons for their circulating

medium. The gold dust fluctuated greatly in value and purchasing power, while the private coins nearly all were of a depreciated character, ranging in value from 8 to 20 per cent. discount. To relieve the inconvenience and loss caused by this currency of indefinite value, the Government in 1850 provided for the establishment of an assay office in San Francisco. This office was conducted by Moffat & Co., and the official who placed the Government stamp upon the gold ingots issued by this office was Augustus Humbert, formerly of New York City. Upon the appearance in 1851 of the United States Assay Office, ingots, which were not less than \$50 in value, all being octagonal in shape, the private gold coins were gradually driven out of circulation, many of them being deposited at the assay office, and reissued in the form of ingots. The private coins, though of depreciated value, were nevertheless very convenient, as they were of the useful denominations of five, ten, and twenty dollars. The regular United States gold coins rarely appeared in the local channels of trade in California, for they were reserved for the payment of customs duties. None of the private gold coins or gold dust was accepted by the customs authorities.

In a short time the gold coins of the smaller denominations disappeared, and the local currency consisted almost entirely of the huge octagonal fifty-dollar pieces. Change became so scarce that it was necessary to pay 2 to 3 per cent. to have one of the "slugs" changed into coins of small denomination.

Relief to a certain extent was furnished in 1854, when the San Francisco branch mint began operations and more United States goldpieces came into circulation. Soon the octagonal fifty-dollar pieces met the fate of the smaller California coin, being exported or sent to the local mint and remelted, and it was not long before the business men of California felt the need of a goldpiece of large denomination for quick counting purposes, as there were no paper notes in circulation of any denomination.

As a result the business men of San Francisco early in 1854 sent a petition to the Secretary of the Treasury requesting him to authorize the striking at the San Francisco mint of a fifty-dollar piece of the same shape and fineness as the regular United States double eagle. This memorial was forwarded to William M. Gwin, one of California's Senators, who in turn presented it to James Guthrie, then Secretary of the Treasury. This peti-

tion met the favorable attention of Mr. Guthrie, who in a letter to Mr. Gwin stated that while he favored the issue of goldpieces of large denomination for use in the Pacific States, he did not think such pieces were needed in the East. Mr. Guthrie said:

“But there are certain peculiarities in the condition of California which recommend a different scale of coinage for that region. These are: First, the fact stated in the memorial of the prohibition and entire exclusion of paper money; and, second, the high scale of prices prevalent in California for commodities and service. These circumstances will make larger denominations of coin convenient, particularly in counting and passing large sums. To this may be added that time will be saved in coining, which may be of much consequence to miners and others, at least until the capacity of the branch mint shall be ascertained to be equal to the gold offered.

“In order to harmonize the proposed large coins with the present recognized coins, I would recommend that the coinage be authorized of pieces of \$100, and \$50, and \$25, to be called the ‘Union,’ ‘Half Union,’ and ‘Quarter Union,’ but that the ‘Half Union’ only be struck for the present.”

The full text of the bill presented to Congress by Senator Gwin, providing for the issue of the large goldpieces, read as follows:

“That there shall be coined and issued by the United States, or by such of the branch mints as the Secretary of the Treasury shall direct, a gold coin of the weight of 2580 grains, of the value of one hundred dollars, and another of the weight of 1290 grains, of the value of fifty dollars, each of which coins shall be of the standard fineness now prescribed by law for the gold coins of the United States.

“That the Secretary of the Treasury cause the necessary dies, and other apparatus, to be prepared by proper and skillful artists, under the superintendence of the Director of the Mint at Philadelphia, for coining the above coins, with such devices, motto, and figures as may be approved by the President of the United States; the expenses of which shall be defrayed from the ordinary appropriation for the expenses of the mint and branch mints of the United States.”

Badly needed as were the gold coins provided for by this bill, it never became a law. On May 29, 1854, Senator Gwin again brought the matter of the issue of the five and ten eagle pieces to the attention of the Senate, but discussion was postponed. On June 16 the bill passed the Senate by a large majority, but it failed to meet the approval of the House.

Early in 1855, as the Government showed no signs of responding favorably to the appeals of the Californians for a \$50 piece, two of the principal private coining firms of San Francisco—Wass, Molitor & Co. and Kellogg & Co.—began the issue of circular gold coins of the denomination of fifty dollars. Both coins were of distinctive design, differing materially from the United States pieces, and were worth their full face value, although the gold of which they were composed was of a lower fineness in the Kellogg piece than contained by the regular United States coins, making it necessary to increase the weight of the Kellogg piece to 1309 grains, which is stamped on the ribbon carried in the beak of the eagle on the reverse.

On May 22, 1877, Dr. Wheeler W. Hubbell of Pennsylvania patented a new composition of metal called "goloid." This was a compound of gold, silver, and copper in such proportions that the silver would bear to the gold a ratio of sixteen to one, so that the metals could not be separated, and thus make a legal tender in payment of all debts and duties. The object was to destroy the rivalry between silver and gold. The size of the silver dollar containing a certain proportion of gold would be reduced from that of the regular silver dollar, and the gold and silver were introduced into the composition in such proportions that two of the proposed goloid dollars would contain exactly a dollar's worth of gold and a dollar's worth of silver. As the expense of parting the two metals would make such a proceeding prohibitive, it was thought that by this means the coins would not be melted down for use in manufactures.

A bill was introduced in Congress providing for the adoption of the goloid metal, and also specifying that the coins should be made after the metric system of weights and measures. It was provided that there should be one-hundred cent coin, or dollar, weighing 258 grains, or 16.718 milligrams; a half dollar, weighing 129 grains, or 8.359 milligrams; a quarter dollar, weighing $64\frac{1}{2}$ grains, or 4.179 milligrams, and a ten-cent piece of 25 8-10 grains, or 1.671 milligrams, and gold coins of the denomination of five, ten, and twenty dollars.

It was proposed that the ten, twenty-five, and fifty cent pieces and one dollar should bear as a design a head of Liberty on the obverse, surmounted by the motto "E Pluribus Unum," and the thirteen stars at the side, with the date of coinage and denomination in figures. On the reverse was to be a circlet of stars, inclosing the weight, name, and nature of the contents of the coin.

The five-dollar piece was to bear on the obverse a design similar to that on the coins of a dollar or less, but on the reverse was to be represented the upper half of an eagle, which would literally illustrate the official title of the five-dollar gold piece—"half eagle." The ten-dollar piece was to be similar in

design, but to bear a full representation of an eagle on the reverse, while the twenty-dollar coin should bear the design of two eagles, which would appropriately represent the official title of "double eagle."

One and five cent pieces were to be struck in nickel, to be stamped "One Cent," and "Five Cent." It was also proposed that the other coins should be stamped "10 Cent," "Five Dollar," &c., omitting the final letter "s."

All the coins above the value of the five-cent piece were to be stamped with figures denoting the weight of each in milligrams, with a decimal point to denote grams and the letters "MGS" to denote milligrams. The weight of the coin should also be stamped in Troy grains—"GRS" to denote grains, together with the letter "G" to denote gold and the letter "S" to denote silver. The fineness of the metal should be stated in suitable figures, with the letter "F" to denote fine, and the proportion of standard silver and standard gold should be stated in figures.

A letter from the Coinage Committee to Director Linderman, dated Dec. 29, 1877, asked: "Can you conveniently furnish this committee of the House of Representatives with specimens of the coinage of the goloid dollars, halves, and quarters. * * * We want each dollar to contain 258 grains of the goloid metal, and in the same proportions for the half and quarter dollars. That is, the half dollar to have in it 129 grains of goloid and the quarter 64½ grains, etc. Let the coins, if you please, have stamped these words: On the dollar, "GOLOID ONE DOLLAR. 1G. 24S. .9 FINE. 258 GRAINS." On the half dollar, "GOLOID HALF DOLLAR. 1G. 24S. .9 FINE. 129 GRS." On the quarter dollar, "GOLOID QUARTER DOLLAR. 1G. 24S. .9 FINE. 64½ GRS."

"The committee would like to have these specimens in sufficient numbers for the convenience of members of Congress by the 10th of January next or as soon as practicable."

It may be stated that while goloid dollars of three different designs of 1878 are known, which were struck in goloid, silver, and copper, still so far as known there is not in existence a goloid quarter or half dollar. And yet there is little doubt that such pieces were struck, as the mint officials have always been prompt to put in metallic form any suggestions of the Coinage Committee of Congress.

The mint officials were unanimous in their disapproval of the goloid metal for the purpose of striking coins. Mr. Du Bois on Jan. 16, 1878, reported that the three metals—gold, silver, and copper—mixed as well as the standard alloy of gold and silver; that the goloid metal was as ductile as standard silver, and would work well in mintage. But there was no noticeable difference between the dollar struck in goloid and one struck

in standard silver, and, added Mr. Dubois, the color would be precisely the same as standard silver even if the gold in it were ten times as much as the regular proportion of gold in the goloid dollar. "It is only as nearly equal proportions of the two metals are reached that the yellowish tint appears. Its sonority, or ring, is really the same as standard silver, the sound being more prolonged, but the danger of imitations, leaving the gold entirely out, would be very great. Assuming well-made false dies, there would be no test at all in the hands of the ordinary dealers. Our own short test by acid mixture entirely fails. Nothing would do but trying the specific gravity, which is a little above that of standard silver, being 10.28 in the ingot and 10.50 after striking in a screw press, and, when struck as above, 10.33. This test is slow work, and apt to be incorrectly done. The real objection I regard is the similarity in color. Within the mint the danger of getting two metals, whether ingots or clippings, mixed up, would require incessant watch. If it is adopted standard silver, even for dimes, had better be banished."

The assayer suggested that the metal ought not to be called "goloid," and that the term was a misnomer, as it is not like it in appearance, and the gold does not predominate. "I beg to correct an error which is stamped on the goloid specimen coin—that of calling it nine-tenths fine. (.9 FINE.) Standard gold is nine-tenths fine, and so is standard silver, but where the two are put together the term loses its meaning. It is like making an addition of six oranges and three apples—they cannot be made into one sum."

The goloid dollar contained the following proportions of metals: Of silver there was 864 thousandths, of a weight of 222 912-1000 grains; of gold, 36 thousandths, of a weight of 9 288-1000, and of copper 100 thousandths, of a weight of 25 800-1000, representing a total weight of 253 grains.

James C. Booth, melter and refiner at the mint, said that the goloid coin might readily be imitated in similar alloys, varying only in the ratios of gold and silver. Thus one grain of silver might be substituted for one grain of gold, making the goloid dollar of standard silver 10.24, a difference inappreciable except to the finest balance and manipulation, and yet such a goloid dollar would be worth only about 81¼ cents.

When Dr. Linderman appeared before the Congressional Committee of Coinage, Weights, and Measures, at Washington on Jan. 17, 1878, he brought with him two specimens of the goloid dollar—one struck in the goloid metal and the other in standard silver. He represented to the committee that the goloid dollar was not suitable because it could not be distinguished from the same dollar struck in silver. Yet, while this difference was imperceptible, the goloid dollar was intrinsically worth 100 cents and the silver dollar only 60 cents. The silver coin was com-

posed of silver nine-tenths fine, and the only way it could be distinguished from the goloid piece was by a defect in the die. An examination of the letter "O" in the word "OF" on the reverse of the silver piece showed it to be blurred, whereas on the goloid coin the letters are perfect.



1498

FIFTY DOLLARS. The design of William Barber. Large Liberty head with no ornaments underneath the word LIBERTY on the diadem. Gold. Unique. In the Philadelphia Mint collection. R15.

1499

FIFTY DOLLARS. Same as foregoing. Copper. R10.



1500

FIFTY DOLLARS. Small head of Liberty. Five ornaments underneath the word LIBERTY on diadem. Gold. Unique. In the Philadelphia Mint collection. R15.

1501

FIFTY DOLLARS. Same as foregoing. Copper. R10.

1502

EAGLE. Copper. R13.

**1503**

DOLLAR. Rev. 1 DOLLAR in wreath. Copper. R12.

**1504**

DOLLAR. Similar head of Liberty. Rev. same as foregoing. Copper. R12.

**1505**

DOLLAR. Liberty with plain coronet. Hair flowing down neck. Rev. same as foregoing. Copper. R12.

**1506**

HALF DOLLAR. Morgan design. Silver. R12.

**1507**

HALF DOLLAR. Morgan design. Silver. R12.

**1508**

HALF DOLLAR. Morgan design. Same ob. as foregoing. Rev. eagle on spade-shaped shield. On three sides the motto IN GOD WE TRUST letters in relief. Silver. R12.

1509

HALF DOLLAR. Same as foregoing. Copper. R12.

**1510**

HALF DOLLAR. Morgan design. Ob. same as foregoing. Rev. similar to that adopted on standard dollar of 1878. Silver. R14.

**1511**

HALF DOLLAR. Same as foregoing. Copper. R12.

1512

HALF DOLLAR. Morgan design. Around head of Liberty
E PLURIBUS UNUM. Rev. same as foregoing. Silver. R12.

1513

HALF DOLLAR. Same as foregoing. Copper. R12.

**1514**

HALF DOLLAR. Design of William Barber. Liberty with
helmet. Rev. eagle standing on rectangular pedestal, bearing
motto IN GOD WE TRUST incused letters. Silver. R12.

1515

HALF DOLLAR. Same as foregoing. Copper. R12.

**1516**

HALF DOLLAR. Barber design. Same ob. as foregoing.
Rev. heraldic eagle, with E PLURIBUS UNUM between the
wings. Silver. R12.

1517

HALF DOLLAR. Same as foregoing. Copper. R12.

**1518**

HALF DOLLAR. Barber design. Same ob. as foregoing.
Rev. small eagle on United States shield. At top IN GOD WE

TRUST; at bottom E PLURIBUS UNUM in Gothic letters. Silver. R12.

1519

HALF DOLLAR. Same as foregoing. Copper. R12.



1520

HALF DOLLAR. Morgan design. Dotted circle around head of Liberty. Around border E PLURIBUS UNUM and thirteen stars. Rev. defiant eagle as on Schoolgirl dollar of 1879. Silver. R12.

1521

HALF DOLLAR. Same as foregoing. Copper. R12.



1522

HALF DOLLAR. Morgan design. Same obverse as foregoing. Rev. eagle with fanlike wings, small feathers. Silver. R12.

1523

HALF DOLLAR. Same as foregoing. Copper. R12.



1524

HALF DOLLAR. Morgan design. Same ob. as foregoing. Rev. similar to foregoing, but large feathers. Silver. R12.

1525

HALF DOLLAR. Same as foregoing. Copper. R12.

1526

HALF DOLLAR. Morgan design. Ob. Same as foregoing. Rev. IN GOD WE TRUST above eagle incused letters. Same as No. 1506. Copper. R12.

**1527**

HALF DOLLAR. Morgan design. Same ob. as foregoing. Rev. same as No. 1506. Copper. R12.

1528

HALF DOLLAR. Morgan design. Same ob. as foregoing. Rev. same as No. 1507. Copper. R12.

**1529**

HALF DOLLAR. The design of Anthony C. Paquet. Silver. R12.

1530

HALF DOLLAR. Same as foregoing. Copper. R12.

**1531**

HALF DOLLAR. Liberty head with hair tied with ribbon.

similar to ob. of 1875 eagle and half eagle. Rev. heraldic eagle, same as No. 1516. Copper. R12.



1532

HALF DOLLAR. Liberty head to left, wearing wreath of wheat and cotton. Rev. heraldic eagle, same as No. 1516. Silver. R12.

1533

HALF DOLLAR. Same as foregoing. Copper. R12.



1534

HALF DOLLAR. Same ob. as foregoing. Rev. Eagle holding shield in right talon and standing on rectangular tablet inscribed E PLURIBUS UNUM incused letters. Copper. R12.



1535

HALF DOLLAR. Same ob. as foregoing. Rev. eagle on tablet, same as No. 1514. Silver. R12.

1536

HALF DOLLAR. Same as foregoing. Copper. R12.

**1537**

HALF DOLLAR. Liberty head to left, wearing Liberty cap. Rev. eagle with shield on tablet, same as No. 1535. Silver. R14.

1538

HALF DOLLAR. Same as foregoing. Copper. R12.

**1539**

HALF DOLLAR. Liberty head to left similar to that used on the Goloid Dollar of 1878. Rev. eagle with Gothic mottoes. Same as reverse of No. 1518. Silver. R12.

1540

HALF DOLLAR. Same as foregoing. Copper. R12.

**1541**

QUARTER DOLLAR. Liberty head to left. Rev. regular dies. Silver. R12.

1542

QUARTER DOLLAR. Same as foregoing. Copper. R12.

**1543**

DIME. Similar to foregoing ob. Rev. regular die. R12.

1544

DIME. Same as foregoing. Copper. R12.

1878.**1545**

EAGLE. The design of William Barber. Gold. R13.

1546

EAGLE. Same as foregoing. Copper. R10.

**1547**

EAGLE. The design of George T. Morgan. Gold. R13.

1548

EAGLE. Same as foregoing. Copper. R10.

**1549**

HALF EAGLE. The Barber design. Gold. R13.

1550

HALF EAGLE. Same as foregoing. Copper. R10.

**1551**

HALF EAGLE. The Morgan design. Gold. R13.

1552

HALF EAGLE. Same as foregoing. Copper. R10.

**1553**

HALF EAGLE. Liberty head as on stella of 1879, with flowing hair. Copper. R10.

1554

HALF EAGLE. With periods between E PLURIBUS UNUM. With motto IN GOD WE TRUST on reverse. Copper. R10.

**1555**

HALF EAGLE. Without periods. Without motto. Copper. R10.

1556

HALF EAGLE. With periods. Without motto. Copper. R10.

**1557**

HALF EAGLE. Without periods. With motto. Copper. R10.

**1558**

QUARTER EAGLE. Without periods. Without motto. Copper. R10.

**1559**

DOLLAR. Design of George T. Morgan. Silver. R6.

1560

DOLLAR. Same as foregoing. Copper. R10.

This was the first adopted design for the standard dollar as issued under the law projected by Congressman Bland, and the piece at first was known as the "Bland Dollar." The original design shows the eagle holding an olive branch of three leaves in his right talon, with seven feathers in the tail of the eagle. This design was changed so that the feathers in the tail numbered eight, while six more leaves were added to the olive branch in the talon of the eagle. The latter design is common, but the former is quite rare, and is regarded as a pattern by those who have made a study of the subject.

**1561**

DOLLAR. Different die. In the collection of William H. Woodin of New York City. Silver. R14.

Undoubtedly the above piece represents the very first design of the Standard Dollar showing nine leaves in the olive branch. Apparently, when it was decided to abandon the olive branch with three leaves, the above design was produced, for the envelope which contained the piece stated that it was "one of three struck for Director to decide whether design was all right." It therefore represents the first issue of the design showing the eagle with seven feathers in the tail and with nine leaves on the olive branch, and is unquestionably a pattern.

for it differs materially from the other variety showing seven feathers in the tail. The only seven feather variety mentioned in Hazeltine's Type Table—No. 5—states that there was one berry and a letter A touched the eagle's wing. In this pattern there are FIVE BERRIES, and the letter does not come near the wing. But, most important of all, and a fact that points most conclusively to the piece being a pattern, is that the tiny letter M which appears on all other varieties of the Standard Dollar—one on bow knot on the reverse—is omitted from the above piece.

1562

DOLLAR. The design of William Barber. Silver. R6.

1563

DOLLAR. Same as foregoing. Copper. R8.



1564

DOLLAR. Same as foregoing. Aluminum. R8.

NOTE.—This pattern dollar was submitted by Mr. Barber for the new standard dollar, but was not approved. It is generally known among numismatists as "Barber's Rejected Dollar." It is said that this design is known in several die varieties.



1565

DOLLAR. Goloid. Silver. R6.

1566

DOLLAR. Same as foregoing. Copper. R8.

**1567**

DOLLAR. Same ob. as foregoing. Rev. different, inscription in circle of leaves. Silver. R13.

1568

DOLLAR. Same as foregoing. Copper. R10.

**1569**

DOLLAR. Goloid. Same ob. as foregoing. Rev. GOLD METRIC. Silver. R8.

1570

DOLLAR. Same as foregoing. Goloid. R8.

1571

DOLLAR. Mule of ob. of Morgan design with the reverse of the Barber rejected design. Copper. R14.



1879.

The most noted coin of the metric series of pattern pieces of 1879 was the "Stella," or four-dollar piece. While the question of adopting the goloid composition of Dr. Hubbell was under consideration, and at the same time the advisability of adopting the Continental metric system of weights and measures, the Minister of the United States at Vienna, John A. Kasson, who had formerly been Chairman of the Committee of Coinage, Weights, and Measures, sent a dispatch to the Secretary of State in regard to a coin that would express invoice values in a unit of denomination near the value of the Austrian eight-florin piece. On Jan. 24, 1879, the Secretary of State transmitted this dispatch to the Secretary of the Treasury, John Sherman. In turn the matter was referred to Chairman Alexander Stephens of the Coinage Committee, who in a letter to Secretary Sherman, dated Feb. 19, 1879, said that the suggestion as to an appropriate denomination of coin for invoice or international use consistent with the United States system of even hundreds and decimal divisions was of much importance. "The foreign coins referred to are about \$3.88 in estimated value, and the nearest approximation to it consistent with our system, and far more advantageous, would be a coin of 400 cents, or four dollars, being practically one-fifth of the metric double eagle recently struck. Four hundred cents having only one numeral, is instantly converted into any other sum or denomination

—that is, by the use of the figure ‘4.’ The same advantage is also presented in the metric formulation of the coin, which is all in single numerals—that is, 6 grams of gold, 3 decigrams of silver, and 7 decigrams of copper, 7 grams in weight, possessing all the advantages of simple relations to the gram, of full standard value, and interconvertible with all values by the use of the single numeral ‘4.’

“Will you please have a specimen, or specimens, say five, of this coin struck? The obverse simliar to that of the double eagle—‘6 G., 3 S., 7 C.—7 GRAMS, 1879.’ The reverse, ‘UNITED STATES OF AMERICA. FOUR DOLLARS. E PLURIBUS UNUM. DEO EST GLORIA.,’ and a large star emblazoned, on it the words ‘ONE STELLA 400 CENTS.’ ”

The Coinage Committee favored the adoption of the four-dollar piece, which had been worked out by Dr. Hubbell, as it was near to the vlaue of the Austrian eight florins, the French twenty francs, Italian twenty lire, Spanish twenty pesetas, and Dutch eight florins. In the opinion of the committee all coins should have a specific name. Therefore “one suitable for the four-dollar coin would be ‘One Stella,’ in analogy to one éagle, both the star and the eagle being National emblems on our coins.”

Several varieties of the four-dollar piece were made in 1879 and 1880, being the work of Charles E. Barber. The coins were struck in gold, copper, aluminum, and white metal.

In the same year the dies were made for a metric twenty-dollar piece, from which a very limited number of specimens in gold and copper were struck. This also was the production of Dr. Hubbell. The design of this piece was not the one suggested by the bill providing for the adoption of the goloid coinage, but showed on the obverse a head of Liberty like that on the regular double eagle, as designed by Longacre. Around the border was the inscription, between stars, “* 30 * G * 1.5 * S * 3.5 * C * 35 * G * R * A * M * S.” The reverse design was the same as that of the regular double eagle of the year, but there was added the motto “DEO EST GLORIA” instead of “IN GOD WE TRUST.”

The Coinage Committee was very much in favor of the adoption of this handsome coin, as the submitted report indicates, but for some unknown reason the piece did not meet the approval of Congress.

“The metric gold double eagle of \$20 value contains 30 grams of pure gold, 1.5 grams of pure silver, and 3.5 grams of pure copper, 35 grams in total weight, which is about 1.564 grams, or 24 grains heavier than the present Troy coin. Its color and durability are superior to the present coin, which, having only copper in the gold, gives it a red or copper color and tarnish of the oxide of copper, and is too soft for wear. Ternary alloys have a recognized superiority in metallurgy, and this metric gold alloy develops the lighter gold or orange gold color, durability, value, sonority, and adaptation to United States standard metric gold coin, all in this one metal of ternary elements in these proportions, and by which these results, which have been desired in coinage, are fully attained. Intrinsically it contains \$19.93.8 of pure gold and 6.2 plus cents of pure silver; total, \$20.00, and a plusage of one and a half cents in a thousand dollars for mint abrasion as it falls from the dies and before delivery, being full, complete, and precise in standard value on delivery at the mint.

“The important advantages of this metric gold coin are that the gold is even 30 grams, the silver even 1.5 grams, the copper 3.5 grams. The gold therefore is standard .9 fine and the silver is .9 fine in the coin, and the total weight is even 35 grams, and is precisely \$20 in value. The superiority of the metal for constancy in value is strikingly shown by the fact that although it measures the same in diameter and on a plane as the binary \$20 coin, it (the metric) is 24 grains heavier, or 540.25 plus grains in weight, showing as well as in the rich orange color its superiority for practical use, as it flows with a sharper and more distinct finish into the dies.”

Notwithstanding the advantages offered by this very handsome piece, and the thoroughly favorable report of the committee, neither it nor any of the gold or metric coins was adopted for regular use.



1572

DOUBLE EAGLE. The Metric Double Eagle. Gold. It is supposed that not more than four of this design were struck in gold. R13.

1573

DOUBLE EAGLE. Same as foregoing. Copper. R13.

**1574**

DOUBLE EAGLE. Similar to foregoing, obverse, but without a period between 3 and 5 of 35, which should read 3.5 C. Copper. Supposed to be unique. In the collection of William H. Woodin of New York City. R15.

**1575**

FOUR DOLLARS. Stella. Liberty with flowing hair. Gold. R1.

1576

FOUR DOLLARS. Same as foregoing. Copper. R10.

1577

FOUR DOLLARS. Same as foregoing. Aluminum. R13.

**1578**

FOUR DOLLARS. Stella. Liberty with coiled hair. Gold. R11.

1579

FOUR DOLLARS. Same as foregoing. Copper. R10.

1580

FOUR DOLLARS. Same as foregoing. Aluminum. R13.

1581

FOUR DOLLARS. Same as foregoing. White metal. R15.

1582

FOUR DOLLARS. Similar to the design, with flowing hair, but reduced. Said to have been executed by Charles E. Barber. Dr. Davis, who described this piece, says that it was struck in silver and copper. We have not seen a specimen of this variety. Silver. R14.

1583

FOUR DOLLARS. Same as foregoing. Copper. R14.

**1584**

DOLLAR. Morgan design. Head as on adopted silver dollar. Rev. large eagle. Silver. R10.

1585

DOLLAR. Same as foregoing. Copper. R10.

**1586**

DOLLAR. Same ob. as foregoing. Rev. large eagle, with motto surrounding upper portion, IN GOD WE TRUST. Silver. R10.

1587

DOLLAR. Same as foregoing. Copper. R10.

**1588**

DOLLAR. Same ob. as foregoing. Rev. eagle with olive branch and arrows in talons. Above E PLURIBUS UNUM in small letters. This is the Morgan obverse muled with the Barber reverse. Silver. R10.

1589

DOLLAR. Same as foregoing. Copper. R10.

**1590**

DOLLAR. The Barber "Washlady" design. Silver. R11.

1591

DOLLAR. Same as foregoing. Copper. R10.

**1592**

DOLLAR. Morgan's Schoolgirl design. Silver. R11.

1593

DOLLAR. Same as foregoing. Copper. R11.

1594

DOLLAR. Same as foregoing. White metal. R14.



- 1595 DOLLAR. Design of William Barber. Silver. R11.
 1596 DOLLAR. Same as foregoing. Copper. R10.
 1597 DOLLAR. Same as foregoing. White metal. R14.



- 1598 DOLLAR. Barber's Metric Design. Silver. R6.
 1599 DOLLAR. Same as foregoing. Copper. R11.
 1600 DOLLAR. Same as foregoing. White metal. R13.
 1601 DOLLAR. Same as foregoing. Aluminum. R13.



- 1602 DOLLAR. Morgan's Metric design. Reverse same as reverse of No. 1598. Silver. R11.

1603

DOLLAR. Same as foregoing. Copper. R11.

1604

DOLLAR. Same as foregoing. White Metal. R13

1605

DOLLAR. Same as foregoing. Aluminum. R12.

**1606**

DOLLAR. Barber's Goloid Metric design. Silver R6

1607

DOLLAR. Same as foregoing. Copper. R10.

1608

DOLLAR. Same as foregoing. White metal. R13

1609

DOLLAR. Same as foregoing. Aluminum. R13

**1610**

DOLLAR. Morgan's Goloid Metric design. Reverse same as reverse of No. 1606. Silver. R11.

1611

DOLLAR. Same as foregoing. Copper. R10.

1612

DOLLAR. Same as foregoing. Aluminum. R13.

1613

DOLLAR. Silver. Dr. Davis lists under No. 448 of his work on patterns a dollar, said to be a mule of Barber's goloid metric design, reverse of his rejected dollar reverse of 1878. We have not seen a specimen of it, and do not know that it is extant. Very few errors, however, have been found in the list prepared by Dr. Davis in 1885 and 1886, and it is therefore quite likely that the variety is in existence.

**1614**

HALF DOLLAR. Washlady design. Silver. R11.

1615

HALF DOLLAR. Same as foregoing. Copper. R10.

**1616**

HALF DOLLAR. Morgan design. Similar to ob. of standard dollar. Rev. eagle with IN GOD WE TRUST in semi-circle around lower portion. Silver. R11.

1617

HALF DOLLAR. Same as foregoing. Copper. R11.

**1618**

HALF DOLLAR. Similar ob., but motto in front and behind bust. Rev. same as foregoing. Silver. R11.

1619

HALF DOLLAR. Same as foregoing. Copper. R11.

**1620**

QUARTER DOLLAR Washlady design. Silver. R11.

1621

QUARTER DOLLAR. Same as foregoing. Copper. R10.

1622

QUARTER DOLLAR. Same as foregoing. White metal R13.

**1623**

QUARTER DOLLAR. Morgan design, similar to No. Silver. R11.

**1624**

DIME. Washlady design. Silver. R11.

1625

DIME. Same as foregoing. Copper. R10

**1626**

DIME. Morgan design. Silver. R11.

1627

DIME. Same as foregoing. Copper. R11.

**1628**

DIME. Morgan design. Rev. different from foregoing. Silver. R11.

1629

DIME. Same as foregoing. Copper. R11.

1880.



1630
FOUR DOLLARS. Stella. The flowing hair design. Gold R9.

1631
FOUR DOLLARS. Same as foregoing. Copper. R10.

1632
FOUR DOLLARS. Same as foregoing. Aluminum. R12.



1633
FOUR DOLLARS. The coiled hair design. Gold. R11.

1634
FOUR DOLLARS. Same as foregoing. Copper. R10.

1635
FOUR DOLLARS. Same as foregoing. Aluminum. R12.



1636
DOLLAR. Barber's Metric Dollar. Silver. R11.

1637
DOLLAR. Same as foregoing. Copper. R11.

1638
DOLLAR. Same as foregoing. Aluminum. R12.

**1639**

DOLLAR. Morgan's Metric Dollar. Reverse same as reverse of No. 1636. Silver. R11.

1640

DOLLAR. Same as foregoing. Copper. R11.

1641

DOLLAR. Same as foregoing. Aluminum. R12.

**1642**

DOLLAR. Barber's Goloid Metric. Silver. R11.

1643

DOLLAR. Same as foregoing. Copper. R10.

1644

DOLLAR. Same as foregoing. Aluminum. R12.

**1645**

DOLLAR. Morgan's Goloid Metric. Reverse same as reverse of No. 1642. Silver. R11.

1646

DOLLAR. Same as foregoing. Copper. R11.

1647

DOLLAR. Same as foregoing. Aluminum. R12.

1881.

In 1881 there appeared three pattern pieces of the denomination of one, three, and five cents, the obverse of each showing the head of Liberty as borne by the first five-cent nickel “without cents” that was struck for regular circulation in 1883. The reverse bore, within a wreath composed of cotton and corn, the denominations in Roman numerals—“I,” “III,” and “V.”

These pieces were struck in nickel and copper, and were examples of a system of minor coinage proposed by the Director of the Mint to supplant the existing issues of minor coinage with a uniform series. The Director contended that all the minor coins should have a uniformity of alloy, the devices should be uniform in character, and there should be a due proportion of weight between the various pieces in place of the irregular proportions contained by the coins then in use. He cited the five-cent piece then in circulation as containing 27 grains more than its due proportion of metal as compared with the nickel three-cent coin, although the alloy was the same. His plan provided that the minor coins should be struck in an alloy consisting of 75 per cent. copper and 25 per cent nickel. This was recommended, as it was the best alloy, did not oxidize, retained its color, was without odor, and clean. It easily worked, and was difficult to counterfeit. According to his plan, the five-cent piece should

weigh 5 grams, the three-cent piece 3 grams, and the one-cent piece $1\frac{1}{2}$ grams. As a design he suggested that the obverse should bear a classical head of Liberty, surrounded by the words "United States of America," with the date underneath. On the reverse should be a wreath composed of wheat, corn, and cotton—products of the country—surrounding the Roman numerals "V," "III," and "I." The diameters of the coins were to be 22 millimeters for the five-cent piece, 19 millimeters for the three-cent piece, and 16 millimeters for the one-cent piece.



1648
FIVE CENTS. Nickel. R8.

1649
FIVE CENTS. Same as foregoing. Copper. R8.

1650
FIVE CENTS. Same as foregoing. Aluminum. R10.



1651
THREE CENTS. Nickel. R8.

1652
THREE CENTS. Same as foregoing. Copper. R8.

1653
THREE CENTS. Same as foregoing. Aluminum. R10.

1654
CENT. Nickel. R8.

1655
CENT. Similar design to foregoing, but "1" within wreath on reverse. Copper. R8.

1656
CENT. Same as foregoing. Aluminum. R10.

1657
CENT. Regular dies. Nickel. Thin planchet. R14.

1882.



1658

DOLLAR. Morgan design. Silver. R11.

1659

DOLLAR. Same as foregoing. Copper. R11.



1660

HALF DOLLAR. Same ob. as foregoing. Rev. HALF DOLLAR. Silver. R11.

1661

HALF DOLLAR. Same as foregoing. Copper. R11.



1662

QUARTER DOLLAR. Same ob. as foregoing. Rev. QUARTER DOLLAR. Silver. R11.

1663

QUARTER DOLLAR. Same as foregoing. Copper. R11.

**1664**

FIVE CENTS. Liberty head, with UNITED STATES OF AMERICA around the border. Rev. V in wreath. Above IN GOD WE TRUST. Nickel. R8.

1665

FIVE CENTS. Same as foregoing. Copper. R8.

1666

FIVE CENTS. Same as foregoing. Aluminum. R10.

**1667**

FIVE CENTS. Ob. similar to foregoing. Rev. similar, but E PLURIBUS UNUM above wreath. Nickel. R8.

1668

FIVE CENTS. Same as foregoing. Copper. R8.

**1669**

FIVE CENTS. Similar ob. Rev. similar, but from different die. Nickel. R8.

1670

FIVE CENTS. Same as foregoing. Copper. R8.

1671

FIVE CENTS. Same as foregoing. Aluminum. R10.

**1672**

FIVE CENTS. Ob. similar to adopted in 1883, but IN GOD WE TRUST above head of Liberty. Rev. same as adopted in 1883. Nickel. R8.

1673

FIVE CENTS. Same as foregoing. Copper. R8.

1674

FIVE CENTS. Same as foregoing. Aluminum. R10.

**1675**

FIVE CENTS. Same as adopted in 1883 (the "nickel without CENTS.") Nickel. R8.

1676

FIVE CENTS. Same as foregoing. Copper. R8.

1677

FIVE CENTS. Same as foregoing. Aluminum. R10.

1678

FIVE CENTS. Similar obverse as first used from 1866, but without ball above the date. Rev. 5 in circle of stars, same as used from 1867 up to and including 1883. Nickel. R8.

1679

FIVE CENTS. Same as foregoing. Copper. R8.

1680

FIVE CENTS. Same as foregoing. Aluminum. R10.

1883.**1681**

FIVE CENTS. Ob. and reverse same as first adopted pattern of 1883, but CENTS across on reverse. Nickel. R8.

1682

FIVE CENTS. Same as foregoing. Copper. R8.

1683

FIVE CENTS. Same as foregoing. Aluminum. R10.

**1684**

FIVE CENTS. Liberty head, with United States of America around border, same as No. 1664. Rev. same as foregoing. Nickel. R14.

1685

FIVE CENTS. Same as foregoing. Aluminum. R14.

**1686**

FIVE CENTS. Rev. PURE NICKEL. Pure nickel. R8.

1687

FIVE CENTS. Same as foregoing. Aluminum. R10.

**1688**

FIVE CENTS. Ob. same as obverse of No. 1682. Rev. 50N. 50C. Nickel. (Dr. Davis lists this variety, but we have not seen a specimen.) R14.

1689

FIVE CENTS. Liberty head with UNITED STATES OF AMERICA, same as No. 1664. Rev. same as foregoing. Nickel. R8.

1690

FIVE CENTS. Same as foregoing. Aluminum. R10.

**1691**

FIVE CENTS. Ob. word LIBERTY above the head of Liberty. Same as obverse of No. 1696. Rev. 75N. 25C. (Dr. Davis lists this variety also, but a specimen has not been seen by the compilers.) Nickel. R14.

**1692**

FIVE CENTS. Nickel. R8.

1693

FIVE CENTS. Same as foregoing. Aluminum. R10.

**1694**

FIVE CENTS. Same obverse as foregoing. Rev. 33N. 67C. Nickel. R8.

1695

FIVE CENTS. Same as foregoing. Aluminum. R10.

**1696**

FIVE CENTS. LIBERTY above head of Liberty. Rev. same as first adopted in 1883. Nickel. R8.

1697

FIVE CENTS. Same as foregoing. Copper. R8.

1698

FIVE CENTS. Same as foregoing. Aluminum. R10

**1699**

FIVE CENTS. Liberty head, with UNITED STATES OF AMERICA same as No. 1664. Rev. same as foregoing. (This is still another variety mentioned by Dr. Davis, although no mention of it can be found anywhere else.) Nickel. R14.

1700

FIVE CENTS. Similar to second adopted type of pattern of 1883, showing the word CENTS added below the wreath. Nickel. R14.

1701

FIVE CENTS. Same as foregoing. Aluminum. R10.

1884.**1702**

FIVE CENTS. Nickel. R8.

1703

FIVE CENTS. Same as foregoing. Aluminum. R10.

**1704**

CENT. Small perforation. Thin planchet. Nickel. R8.

**1705**

CENT. Same design as foregoing. Large perforation thick planchet. Nickel. R8.

- 1706**
CENT. Same as foregoing. Aluminum. R10.

1885.

- 1707**
DOUBLE EAGLE. Regular dies. Aluminum. R14.
- 1708**
EAGLE. Regular dies. Aluminum. R14.
- 1709**
HALF EAGLE. Regular dies. Aluminum. R14.
- 1710**
THREE DOLLARS. Regular dies. Aluminum. R14.
- 1711**
QUARTER EAGLE. Regular dies. Aluminum. R14.
- 1712**
DOLLAR. (Gold.) Regular dies. Aluminum. R14.
- 1713**
DOLLAR. (Silver.) Regular dies. Aluminum. R14.
- 1714**
DOLLAR. The Snowden design. Regular dies of the year, with the motto E PLURIBUS UNUM on the edge in raised letters. Silver. R6.
- 1715**
DOLLAR. Same as foregoing. Copper. R8.
- 1716**
DOLLAR. Same as foregoing. Aluminum. (But two said to have been struck in this metal.) R14.
- 1717**
HALF DOLLAR. Regular dies. Aluminum. R14.
- 1718**
QUARTER DOLLAR. Regular dies. Aluminum. R14.
- 1719**
DIME. Regular dies. Aluminum. R14.
- 1720**
FIVE CENTS. Regular dies. Aluminum. R14.



- 1721**
FIVE CENTS. Perforated centre. Silver. R9.
- 1722**
THREE CENTS. Regular dies. Aluminum. R9.

**1723**

CENT. Perforated centre. Silver. R9.

1890.**1724**

CENT. Regular dies. Copper-nickel. R12.

1725

CENT. Regular dies. Aluminum. R14.

1726

CENT. Regular dies. Bronze. Thick planchet. R12.

1727

CENT. Regular dies. Copper. Thick planchet. R12.

1891.

In this year a number of patterns were made of the denomination of half dollar, quarter dollar, and dime by Charles E. Barber. From these were selected the designs for the coins which were adopted in 1892, replacing the old style seated figure of Liberty, after the design of Gobrecht, which had been in vogue continuously for many years. The only known specimens of the designs from 1728 to 1736, inclusive, are the two sets on exhibition in the Mint Collection at Philadelphia.

**1728**

HALF DOLLAR. Silver. R14.

**1729**

HALF DOLLAR. Silver. R14.



1730
HALF DOLLAR. Silver. R14.



1731
HALF DOLLAR. Silver. R14.



1732
HALF DOLLAR. Silver. R14.



1733
QUARTER DOLLAR. Silver. R14.



1734
DIME. Silver. R14.

1896.



1735
FIVE CENTS. Nickel. R4.

1736
FIVE CENTS. Same as foregoing. Aluminum. R4.



1737
CENT. Same as foregoing. Nickel. R12.

1738
CENT. Similar design to foregoing. Copper. R12.

1906.

Only one pattern coin is accredited to this year. When St. Gaudens was at work on the new designs for the United States ten and twenty-dollar goldpieces Engraver Charles E. Barber engraved the dies for a twenty-dollar gold piece of a very handsome character. The face of Liberty on the obverse was of much more feminine character than usually shown on our coins, and the reverse bore a striking design, showing an aggressive eagle, standing on the ground, with partly opened wings, behind a standing female figure of Liberty. Back of Liberty was a radiation which extended across the field, and between the points of the radiation were the words of the motto, "In God We Trust." The edge of the coin showed a number of stars in high relief. But two specimens of this pattern double eagle were made—one in gold and the other in base metal. They are to be seen in the coin collection at the Philadelphia Mint.

**1739**

DOUBLE EAGLE. The design of Charles E. Barber. Gold. R15.

1740

DOUBLE EAGLE. Same as foregoing. Base metal. R15.

Several very interesting pattern coins were made at the mint when the work of preparing the new St. Gaudens pieces was in progress. One of the most interesting was a twenty-dollar piece of the regular St. Gaudens double eagle design, but of the diameter of the ten-dollar piece. The value was made up in the extra thickness of the coin. A forty-dollar piece also is said to have been struck from the regular twenty-dollar St. Gaudens dies, the value being made up by extra thickness. There is reported to have been struck in 1907 specimens of the 1907 \$2.50, \$5, and \$10 pieces of the same design as the St. Gaudens twenty-dollar piece. All of these coins, however, are said to have been remelted, and the only pattern coins of the St. Gaudens issue now located are the two specimens of the twenty-dollar piece of the size of the ten-dollar piece, which are now on exhibition at the Philadelphia Mint. Chief among them was a double eagle which showed the Indian head as used on the obverse of the ten dollar piece issued for circulation.

**1741**

DOUBLE EAGLE. The St. Gaudens design, but excessively concave. Eighteen specimens said to have been struck. Gold. R9.

1742

DOUBLE EAGLE. Same as St. Gaudens design. Silver. R12.

**1743**

DOUBLE EAGLE. The design of Augustus St. Gaudens. (This piece is of similar design to the twenty-dollar piece issued in 1907 for circulation, but is of the diameter of the ten-dollar piece, making up the value by extra thickness.) R14.

1909.

NOTE.—Only two sets of the patterns Nos. 1744 to 1752, inclusive, are known. Both of these are in the United States Mint Collection at Philadelphia.

**1744**

FIVE CENTS. Nickel. R14.

**1745**

FIVE CENTS. Nickel. R14.

**1746**

FIVE CENTS. Nickel. R14.



1747
FIVE CENTS. Nickel. R14.



1748
FIVE CENTS. Nickel. R14.

1749
CENT. Regular dies. Copper-nickel.
1910.



1750
FIVE CENTS. Nickel. R14.



1751
FIVE CENTS. Nickel. R14.



1752
FIVE CENTS. Nickel. R14.

THE END.

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